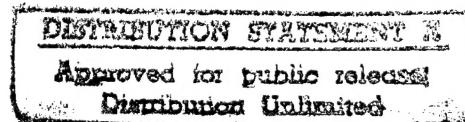


DTIC

FY 1997
BUDGET ESTIMATES
AIR NATIONAL GUARD



19960409 219 FY 1997
MILITARY CONSTRUCTION
PROGRAM

Justification Data Submitted to Congress
March 1996

DTIC

DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1997

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SUMMARY PROJECT LIST
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM – FY 1997

STATE/ COUNTRY	INSTALLATION AND PROJECT	AUTH/APPROP AMOUNT (000)	DD FORM 1391 PAGE NO.
Florida	Jacksonville International Airport (ANG) Upgrade Heating Plants and Chillers	<u>680</u>	b - 3
	Sub-Total Florida	680	
Georgia	Robins Air Force Base B-1 Aircraft Parking Apron and Relocate Taxiway B-1 Composite Aircraft Maintenance Complex B-1 AGE and Munitions Trailer Maintenance Complex B-1 Site Improvements, Roads, and Utilities	8,800 12,400 2,800 <u>5,500</u>	b - 8 b - 11 b - 14 b - 17
	Sub-Total Georgia	29,500	
Hawaii	Hickam Air Force Base Alter Avionics Shop	<u>1,000</u>	b - 22
	Sub-Total Hawaii	1,000	
Idaho	Boise Air Terminal (Gowen Field) Fuel Systems Maintenance and Corrosion Control Facility	<u>4,500</u>	b - 26
	Sub-Total Idaho	4,500	
Illinois	Greater Peoria Regional Airport (ANG) Fuel Systems Maintenance and Corrosion Control Facility	<u>4,200</u>	b - 31
	Sub-Total Illinois	4,200	
Indiana	Fort Wayne International Airport Upgrade Drainage System	<u>480</u>	b - 36
	Sub-Total Indiana	480	
Massachusetts	Barnes Municipal Airport (ANG) Upgrade Heating Distribution System	<u>500</u>	b - 40
	Sub-Total Massachusetts	500	
Maryland	Andrews Air Force Base Munitions Trailer Maintenance Facility	<u>500</u>	b - 44

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH/APPROP AMOUNT (000)</u>	<u>DD FORM 1391 PAGE NO.</u>
	Sub-Total Maryland	500	
Michigan	Selfridge Air National Guard Base Upgrade Heating Systems	<u>3,000</u>	b - 49
	Sub-Total Michigan	3,000	
New Jersey	Atlantic City International Airport Add to and Alter Medical Training Facility	<u>380</u>	b - 97
	Sub-Total New Jersey	380	
New Mexico	Kirtland Air Force Base Munitions Maintenance and Storage Complex	<u>3,000</u>	b - 56
	Sub-Total New Mexico	3,000	
Nevada	Reno Cannon International Airport Fuel Systems Maintenance and Corrosion Control Hangar	<u>4,600</u>	b - 61
	Sub-Total Nevada	4,600	
New York	Francis S Gabreski Airport Aircraft Washing and Deicing Facility	659	b - 66
	Stewart International Airport C-5 Flight Simulator Facility	<u>3,000</u>	b - 71
	Sub-Total New York	3,659	
Oklahoma	Will Rogers World Airport Add to and Alter Security Police Facility	<u>570</u>	b - 76
	Sub-Total Oklahoma	570	
Texas	Fort Worth Joint Reserve Base Fuel Cell and Corrosion Control Facility	<u>3,450</u>	b - 80
	Sub-Total Texas	3,450	
Utah	Salt Lake City International Airport (ANG) Electronics Security Squadron Complex	<u>2,250</u>	b - 85
	Sub-Total Utah	2,250	
Wisconsin	Volk Field Air National Guard Base Upgrade Sanitary Sewer System	<u>850</u>	b - 90

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH/APPROP AMOUNT (000)</u>	<u>DD FORM 1391 PAGE NO.</u>
	Sub-Total Wisconsin	850	
	SUB-TOTAL INSIDE THE UNITED STATES	63,119	
OUTSIDE THE UNITED STATES			
Puerto Rico	Puerto Rico International Airport Refueling Vehicle Shop and Paint Bay	450	b - 94
	Sub-Total Puerto Rico	450	
	SUB-TOTAL OUTSIDE THE UNITED STATES	450	
	SUB-TOTAL -- ALL BASES	63,569	
	PLANNING AND DESIGN	7,725	b - 98
	UNSPECIFIED MINOR CONSTRUCTION	4,100	b - 101
	SUB-TOTAL -- SUPPORT COSTS	11,825	
	GRAND TOTAL	75,394	

FY 1997 MILITARY CONSTRUCTION AUDIT TRAIL
AIR NATIONAL GUARD

STATE\ INSTALLATION\ PROJECT NAME	FY 1996/1997 BIENNIAL BUDGET (\$000)	CHANGE \$0	AMENDED FY 1997 BUDGET (\$000)
Alabama			
Dannelly Field Air National Guard			
Upgrade Composite Hangar	2,700	-2,700	0
Sub-total Alabama	2,700	-2,700	0
California			
Channel Islands ANG Station			
Upgrade Drainage Systems	1,000	-1,000	0
March Air Reserve Base			
Alter General Purpose Aircraft Shops	1,765	-1,765	0
Sepulveda Air National Guard Station			
Supply and Civil Engineer Facility	1,800	-1,800	0
Sub-total California	4,565	-4,565	0
Colorado			
Buckley Air National Guard Base			
Upgrade Sanitary Sewer System	310	-310	0
Sub-total Colorado	310	-310	0
Florida			
Jacksonville International Airport (ANG)			
Upgrade Heating Plants and Chillers	680	0	680
Sub-total Florida	680	0	680
Georgia			
Robins Air Force Base			
B-1 Aircraft Parking Apron and Relocate			
Taxiway	0	+8,800	8,800
B-1 Composite Aircraft Maintenance Complex	13,761	-1,361	12,400
B-1 AGE and Munitions Trailer Maintenance			
Complex	0	+2,800	2,800
B-1 Site Improvements, Roads, and Utilities	6,300	-800	5,500
B-1 Composite Squadron Operations Facility	6,429	-6,429	0
B-1 Munitions Maintenance and			
Training Complex	3,000	-3,000	0
Sub-total Georgia	29,490	+10	29,500

STATE\ INSTALLATION\ PROJECT NAME	FY 1996/1997 BIENNIAL BUDGET (\$000)	CHANGE \$0	AMENDED FY 1997 BUDGET (\$000)
Hawaii			
Hickam Air Force Base			
Alter Avionics Shop	0	+1,000	1,000
Sub-total Hawaii	0	+1,000	1,000
Idaho			
Boise Air Terminal (Gowen Field)			
Fuel Systems Maintenance and Corrosion			
Control Facility	0	+4,500	4,500
Sub-total Idaho	0	+4,500	4,500
Illinois			
Greater Peoria Regional Airport (ANG)			
Fuel Systems Maintenance and Corrosion			
Control Facility	3,685	+515	4,200
Sub-total Illinois	3,685	+515	4,200
Indiana			
Fort Wayne International Airport			
Upgrade Drainage System	500	-20	480
Sub-total Indiana	500	-20	480
Kansas			
McConnell Air Force Base			
B-1 Fuel Systems Maintenance Hangar	5,356	-5,356	0
Sub-total Kansas	5,356	-5,356	0
Massachusetts			
Barnes Municipal Airport (ANG)			
Upgrade Heating Distribution System	740	-240	500
Sub-total Massachusetts	740	-240	500
Maryland			
Andrews Air Force Base			
Munitions Trailer Maintenance Facility	0	+500	500
Sub-total Maryland	0	+500	500

STATE\ INSTALLATION\ PROJECT NAME	FY 1996/1997 BIENNIAL BUDGET (\$000)	CHANGE \$0	AMENDED FY 1997 BUDGET (\$000)
Michigan			
Selfridge Air National Guard Base			
Upgrade Heating Systems	<u>3,600</u>	<u>-600</u>	<u>3,000</u>
Sub-total Michigan	3,600	-600	3,000
Minnesota			
Minneapolis St Paul International Airport			
Upgrade Refueling Vehicle Maintenance and Washing Facility	<u>360</u>	<u>-360</u>	<u>0</u>
Sub-total Minnesota	360	-360	0
Nebraska			
Lincoln Municipal Airport (ANG)			
Remove Underground Fuel Storage Tanks	<u>1,850</u>	<u>-1,850</u>	<u>0</u>
Sub-total Nebraska	1,850	-1,850	0
New Jersey			
Atlantic City International Airport			
Add to and Alter Medical Training Facility	0	+380	380
McGuire Air Force Base			
Composite Base Civil Engineer Maintenance Facility	<u>3,250</u>	<u>-3,250</u>	<u>0</u>
Sub-total New Jersey	3,250	-2,870	380
New Mexico			
Kirtland Air Force Base			
Munitions Maintenance and Storage Complex	<u>2,900</u>	<u>+100</u>	<u>3,000</u>
Sub-total New Mexico	2,900	+100	3,000
Nevada			
Reno Cannon International Airport			
Fuel Systems Maintenance and Corrosion Control Hangar	<u>0</u>	<u>+4,600</u>	<u>4,600</u>
Sub-total Nevada	0	+4,600	4,600

STATE\ INSTALLATION\		FY 1996/1997 BIENNIAL BUDGET (\$000)	CHANGE \$0	AMENDED FY 1997 BUDGET (\$000)
	PROJECT NAME			
New York				
Francis S. Gabreski Airport	Aircraft Washing and Deicing Facility	630	+29	659
Stewart International Airport	C-5 Flight Simulator Facility	3,000	0	3,000
	Sub-total New York	3,630	+29	3,659
North Carolina				
Charlotte/Douglas International Airport	Aeromed Evacuation Training Facility	1,950	-1,950	0
	Sub-total North Carolina	1,950	-1,950	0
Ohio				
Mansfield Lahm Airport (ANG)	Aircraft Deicing Apron	490	-490	0
	Sub-total Ohio	490	-490	0
Oklahoma				
Will Rogers World Airport	Add to and Alter Security Police Facility	500	+70	570
	Sub-total Oklahoma	500	+70	570
Rhode Island				
Coventry ANG Station	Communications and Electronics Training Facility	2,500	-2,500	0
	Sub-total Rhode Island	2,500	-2,500	0
Texas				
Fort Worth Joint Reserve Base	Fuel Cell and Corrosion Control Facility	0	+3,450	3,450
	Sub-total Texas	0	+3,450	3,450
Utah				
Salt Lake City International Airport (ANG)	Electronics Security Squadron Complex	0	+2,250	2,250
	Vehicle Washing Facility	460	-460	0
	Sub-total Utah	460	+1,790	2,250

STATE\ INSTALLATION\ PROJECT NAME	FY 1996/1997 BIENNIAL BUDGET (\$000)	CHANGE \$0	AMENDED FY 1997 BUDGET (\$000)
Virginia			
Richmond IAP (Byrd Field) Vehicle Maintenance Complex	1,550	-1,550	0
Sub-total Virginia	1,550	-1,550	0
Wisconsin			
Volk Field Air National Guard Base Munitions Storage Igloos	700	-700	0
Upgrade Sanitary Sewer System	320	+530	850
Sub-total Wisconsin	1,020	-170	850
Site 1			
Site 1 Upgrade Maintenance Hangar	4,000	-4,000	0
Sub-total Site 1	4,000	-4,000	0
SUB-TOTAL INSIDE THE UNITED STATES	76,086	-12,967	63,119
OUTSIDE THE UNITED STATES			
Puerto Rico			
Puerto Rico International Airport Refueling Vehicle Shop and Paint Bay	460	-10	450
Sub-total Puerto Rico	460	-10	450
SUB-TOTAL OUTSIDE THE UNITED STATES	460	-10	450
SUB-TOTAL - ALL BASES	76,546	-12,977	63,569
PLANNING AND DESIGN	4,725	+3,000	7,725
UNSPECIFIED MINOR CONSTRUCTION	4,100	+0	4,100
SUB-TOTAL - SUPPORT COSTS	8,825	+3,000	11,825
GRAND TOTAL	85,371	-9,977	75,394

SUMMARY PROJECT LIST
AIR NATIONAL GUARD
NEW MISSION VERSUS CURRENT MISSION – FY 97

LOCATION	PROJECT	COST (000)	CURRENT/ NEW/ENV
Jacksonville IAP ANG FL	Upgrade Heating Plants and Chillers	680	ENV
Robins AFB GA	B-1 Aircraft Parking Apron and Relocate Taxiway	8,800	N
	B-1 Composite Aircraft Maintenance Complex	12,400	N
	B-1 AGE and Munitions Trailer Maintenance Complex	2,800	N
	B-1 Site Improvements, Roads, and Utilities	5,500	N
Hickam AFB HI	Alter Avionics Shop	1,000	N
Boise AT (Gowen Field) ID	Fuel Systems Maintenance and Corrosion Control Facility	4,500	N
Greater Peoria Airport ANG IL	Fuel Systems Maintenance and Corrosion Control Facility	4,200	N
Fort Wayne IAP IN	Upgrade Drainage System	480	ENV
Barnes Municipal Apt ANG MA	Upgrade Heating Distribution System	500	ENV
Andrews AFB MD	Munitions Trailer Maintenance Facility	500	C
Selfridge ANG Base MI	Upgrade Heating Systems	3,000	ENV
Atlantic City IAP NJ	Add to and Alter Medical Training Facility	380	C
Kirtland AFB NM	Munitions Maintenance and Storage Complex	3,000	N
Reno Cannon IAP NV	Fuel Systems Maintenance and Corrosion Control Hangar	4,600	N
Francis S Gabreski Airport NY	Aircraft Washing and Deicing Facility	659	ENV
Stewart IAP NY	C-5 Flight Simulator Facility	3,000	N
Will Rogers World Apt OK	Add to and Alter Security Police Facility	570	C
Fort Worth Joint Reserve Base TX	Fuel Cell and Corrosion Control Facility	3,450	ENV
Salt Lake City IAP ANG UT	Electronics Security Squadron Complex	2,250	N
Volk Field ANGB WI	Upgrade Sanitary Sewer System	850	ENV

LOCATION	PROJECT	COST (000)	CURRENT/ NEW/ENV
Puerto Rico IAP PR	Refueling Vehicle Shop and Paint Bay	<u>450</u>	ENV
	PLANNING AND DESIGN	7,725	
	UNSPECIFIED MINOR CONSTRUCTION	<u>4,100</u>	
	TOTAL NEW MISSION	52,050	
	TOTAL CURRENT MISSION	1,450	
	TOTAL ENVIRONMENTAL	<u>10,069</u>	
	GRAND TOTAL - FY 1997 REQUEST	75,394	

**DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1997**

APPROPRIATION

MILITARY CONSTRUCTION , AIR NATIONAL GUARD

SECTION 1

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air National Guard, and contribution there for, as authorized by Chapter 133 of Title 10, United States Code, and military construction authorization Acts, \$75,394,000 (\$171,272,000) to remain available until September 30, 2001 (September 30, 2000)

() Individual FY 96 Appropriation Language

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

Military construction projects specifically for energy conservation at installations have been developed, reviewed, and selected with prioritization by energy savings versus investment cost. Projects include improvements to existing facilities and utility systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Flood Plain Management and Wet Land Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proposed management of flood plains and the protection of wet lands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wet lands. Project planning is in accordance with the requirements of Executive Order Numbers. 11988 and 11900.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-400, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391.

Environmental Protection

In accordance with Section 102(2) (c) of the Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Actual economic analysis have been or will be prepared for all projects over \$2,000,000.

SPECIAL PROGRAM CONSIDERATIONS

(continued)

Reserve Manpower Potential

The reserve manpower potential to meet and maintain authorized strengths of all reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services having reserve flying/non-flying units in these areas, that the number of units of the reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those reserve units.

Potential Use of Vacant Schools and Other State and Local Facilities

The potential use of vacant schools and other state and local owned facilities has been reviewed and analyzed for each facility to be constructed under this program.

Construction Criteria Manual

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

Mil. Con., Air National Guard
Program and Financing (in Thousands of dollars) SUMMARY

Obligations

Budget Plan (amounts for MILITARY
CONSTRUCTION actions programmed)

Identification code 57-3830-0-1-051

	1995 actual	1996 est.	1997 est.	1995 actual	1996 est.	1997 est.
Program by activities:						
Direct Program:	229,768	160,367	63,569	250,370	147,081	117,164
Major construction	4,000	4,455	4,100	4,432	3,273	3,665
Minor construction	14,823	6,450	7,725	14,145	10,358	7,667
Planning	-----	-----	-----	-----	-----	-----
Total direct program	248,591	171,272	75,394	268,947	160,712	128,496
-----	-----	-----	-----	-----	-----	-----
10.0001 Total	248,591	171,272	75,394	268,947	160,712	128,496

Financing obligations available, start of year:

Unobligated balance available, start of year:				-237,634	-210,520	-221,080
For completion of prior year budget plans		-6,700			-6,700	
Available to finance new budget plans	-6,757					
Reprogramming from/to prior year budget plan						
Unobligated balance available, end of year:						
For completion of prior year budget plans						
Available to finance subsequent year budget						
24.4002 For completion of prior year budget plans	6,700					
24.4003 Available to finance subsequent year budget	57					
25.0001 Unobligated balance expiring	-----	-----	-----	-----	-----	-----
Budget authority						
248,591 164,572 75,394 248,591 164,572 75,394						
Budget authority:						
40.0001 Appropriation	248,591	171,272	75,394	248,591	171,272	75,394
40.3601 Appropriation rescinded (unob bal)		-6,700			-6,700	
43.0001 Appropriation (adjusted)	248,591	164,572	75,394	248,591	164,572	75,394
-----	-----	-----	-----	-----	-----	-----
Relation of obligations to outlays:						
71.0001 Obligations incurred				268,947	160,712	128,496
72.4001 Obligated balance, start of year				228,299	264,824	158,852
74.4001 Obligated balance, end of year				-264,824	-158,852	-84,283
77.0001 Adjustments in expired accounts (net)				291	-----	-----
-----	-----	-----	-----	-----	-----	-----
90.0001 Outlays (net)				232,713	266,684	203,065

Mil. Con., Air National Guard
Object Classification (in thousands of dollars) SUMMARY

		1995 actual	1996 est.	1997 est.
Identification code	57-3830-0-1-051			
Direct obligations:				
Land and structures				
132.001		264,133	149,962	119,446
199.001 Total Direct obligations		264,133	149,962	119,446
Allocation Accounts				
Land and structures				
332.001		4,814	10,750	9,050
399.001 Total Allocation Accounts		4,814	10,750	9,050
999.901 Total obligations		268,947	160,712	128,496
Obligations are distributed as follows:				
Defense-Military:Army				
3,404				
Defense-Military:Navy				
3,410				
Defense-Military:Air Force				
264,133				
Total Obligations				
268,947				
160,712				
128,496				

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE	
3. INSTALLATION AND LOCATION JACKSONVILLE INTERNATIONAL AIRPORT (ANG), FLORIDA	4. AREA CONSTR COST INDEX 0.91		
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 annual field training days per year. Daily use of technician force.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Armory			
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997		COST (\$000)	DESIGN STATUS
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>START</u> <u>CMPL</u>
821-116	UPGRADE HEATING PLANTS AND CHILLERS	LS	680 OCT 93 JUN 95
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved		<u>19 JUL 95</u> (Date)	
9. LAND ACQUISITION REQUIRED		None (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS		COST (\$000)	
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	
171-450	ADD TO AND ALTER MEDICAL TRAINING FACILITY	9,800 SF	1,100
211-179	ADD TO AND ALTER FUEL CELL AND CORROSION CONTROL FACILITY	11,000 SF	1,900
219-944	ADD TO AND ALTER BASE CIVIL ENGINEER MAINTENANCE SHOP	19,250 SF	1,650
832-266	UPGRADE SANITARY SEWER SYSTEM	LS	420

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION JACKSONVILLE INTERNATIONAL AIRPORT (ANG), FLORIDA							
11. PERSONNEL STRENGTH AS OF 31 JUL 95							
	PERMANENT			GUARD/RESERVE			
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	366	34	329	3	1,057	98	959
ACTUAL	307	26	279	2	988	96	892
12. RESERVE UNIT DATA			STRENGTH				
<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>					
125 FG	47	54					
159 FS	34	39					
125 MNT SQ	200	344					
125 MSF	34	34					
125 MED SQ	52	51					
125 CES	140	105					
125 SPS	85	79					
125 LOG SQ	112	106					
125 COM FL	47	41					
125 SVF	30	28					
125 OPS GP	3	2					
125 LOG GP	20	14					
125 SPT GP	5	3					
125 OSF	25	22					
8125 STU FT	0	25					
125 FGDET1	40	32					
125 ACM SQ	151	8					
125 LGSPFT	32	1					
TOTALS	1,057	988					
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>					
F-15 A/B Aircraft	15	19					
C-26 Aircraft	1	1					
Support Equipment	93	93					
Vehicle Equivalents	191	210					

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION JACKSONVILLE INTERNATIONAL AIRPORT ANG FLORIDA	4. PROJECT TITLE UPGRADE HEATING PLANTS AND CHILLERS			
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 821-116	7. PROJECT NUMBER LSGA939634	8. PROJECT COST(\$000) \$680	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE HEATING PLANTS AND CHILLERS	LS			515
SUPPORTING FACILITIES				100
UTILITIES	LS			(25)
PAVEMENTS	LS			(35)
SITE IMPROVEMENTS	LS			(5)
ASBESTOS REMOVAL	LS			(35)
SUBTOTAL				615
CONTINGENCY (5%)				31
TOTAL CONTRACT COST				646
SUPERVISION, INSPECTION AND OVERHEAD (5%)				32
TOTAL REQUEST				678
TOTAL REQUEST (ROUNDED)				680
10. Description of Proposed Construction: Remove and dispose of two 3,500 MBH oil-fired boilers and two 175-ton chillers. Replace with individual heating and cooling units at grouped buildings. Upgrade duct work and controls. Remove asbestos insulation.				
11. REQUIREMENT: As required. <u>PROJECT:</u> Upgrade Heating Plants and Chillers (Current Mission). <u>REQUIREMENT:</u> This is a level II environmental compliance project mandated by the Clean Air Act Amendments of 1990 and required by 40 CFR 50, National Primary and Secondary Ambient Air Quality Standards; 40 CFR 61, National Emission Standards for Hazardous Air Pollutants; and 40 CFR 82, Protection of Stratospheric Ozone. The base requires properly sized and efficient heating and cooling systems which meet applicable air quality emission standards. This project will replace the central heat plant by constructing packaged heating/air conditioning units grouped for efficiency and economical operation. <u>CURRENT SITUATION:</u> The boilers and chillers serve eight buildings by underground steam/hot water lines and cooling lines. The boilers do not meet federal air quality emission standards. The systems are old and unreliable and controls are antiquated. The boiler insulation contains friable asbestos. The chillers are over 20 years old and use refrigerant R-113 which is being phased out and is no longer manufactured. Spare parts are no longer available and maintenance is ineffective. There is heat loss in the lines. A new heating system will reduce CO and NO ₂ emissions by eight tons per year and will reduce energy costs 19 percent. This will help meet federal, state and local clean air regulations. The base is in a transitional non-attainment area for ozone. <u>IMPACT IF NOT PROVIDED:</u> Unable to achieve federal air quality emission				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
<u>JACKSONVILLE INTERNATIONAL AIRPORT ANG FLORIDA</u>		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE HEATING PLANTS AND CHILLERS		LSGA939634
<p>standards. Energy inefficient and old system would continue to generate high operating and maintenance costs. Chillers will become inoperable when current supply of environmentally restricted refrigerant is exhausted.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION JACKSONVILLE INTERNATIONAL AIRPORT ANG FLORIDA		
4. PROJECT TITLE UPGRADE HEATING PLANTS AND CHILLERS	5. PROJECT NUMBER LSGA939634	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 OCT 22	
(b) Percent Complete as of Jan 96	100%	
(c) Date 35% Designed	94 DEC 10	
(d) Date Design Complete	95 JUN 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	30	
(b) All Other Design Costs	20	
(c) Total	50	
(d) Contract	50	
(e) In-house		
(4) Construction Start 97 MAY		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. Lee Anderson (301) 836-8080		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE		
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		4. AREA CONSTR COST INDEX 0.96		
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air Force Reserve Facility, 2 Army National Guard Armories, 1 Army Reserve Facility, 1 Navy/Marine Reserve Facility				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997				
CATEGORY		<u>COST</u> <u>(\$000)</u>	<u>DESIGN</u>	<u>STATUS</u>
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>START</u>	<u>Cmpl</u>
113-321	B-1 AIRCRAFT PARKING APRON AND RELOCATE TAXIWAY	83,400 SM	8,800	SEP 95 AUG 96
211-152	B-1 COMPOSITE AIRCRAFT MAINTENANCE COMPLEX	7,138 SM	12,400	JUL 95 AUG 96
218-712	B-1 AGE AND MUNITIONS TRAILER MAINTENANCE COMPLEX	2,100 SM	2,800	SEP 95 AUG 96
932-000	B-1 SITE IMPROVEMENTS, ROADS AND UTILITIES	LS	5,500	FEB 95 MAY 96
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION			<u>1 DEC 93</u> (Date)	
Unilateral Construction Approved				
9. LAND ACQUISITION REQUIRED		None (Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS			COST	
CATEGORY		<u>SCOPE</u>	<u>(\$000)</u>	
<u>CODE</u>	<u>PROJECT TITLE</u>			
116-665	B-1 POWER CHECK PAD WITH SOUND SUPPRESSOR	LS	1,000	
141-753	B-1 COMPOSITE SQUADRON OPERATIONS COMPLEX	35,600 SF	5,300	
171-445	B-1 OPERATIONS AND TRAINING FACILITY	30,300 SF	4,800	
171-875	B-1 LOAD CREW TRAINING COMPLEX	22,000 SF	2,800	
211-154	B-1 AIRCRAFT ORGANIZATIONAL	LS	520	

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA							
11. PERSONNEL STRENGTH AS OF 18 AUG 94							
	PERMANENT			GUARD/RESERVE			
AUTHORIZED	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	359	24	334	1	1,096	105	991
ACTUAL	320	22	297	1	1,070	103	967
12. RESERVE UNIT DATA			STRENGTH				
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>		<u>ACTUAL</u>			
	116 CES	110		103			
	116 CAM SQ	460		438			
	116 COMMFT	35		46			
	116 MSF	35		34			
	116 RM SQ	107		109			
	116 FW	57		58			
	116 HOSPT	51		49			
	116 SPS	57		57			
	128 FS	44		38			
	530 AFBAND	36		35			
	116 SVS	34		29			
	116 OPS GP	8		8			
	116 OSF	30		30			
	116 LGS GP	27		32			
	116 SPT GP	5		4			
	TOTALS	1,096		1,070			
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ASSIGNED</u>			
	B-1 Aircraft	8		2			
	Support Equipment	289		255			
	Vehicle Equivalents	227		229			

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE GEORGIA		4. PROJECT TITLE B-1 AIRCRAFT PARKING APRON AND RELOCATE TAXIWAY		
5. PROGRAM ELEMENT 51628F	6. CATEGORY CODE 113-321	7. PROJECT NUMBER UHHZ959701	8. PROJECT COST(\$000) \$8,800	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
B-1 AIRCRAFT PARKING APRON AND RELOCATE TAXIWAY	SM	83,400		7,631
PARKING APRON	SM	62,500	94	(5,875)
RELOCATE TAXIWAY	SM	20,900	84	(1,756)
SUPPORTING FACILITIES				395
ACCESS ROADS	LS			(45)
SITE IMPROVEMENTS	LS			(50)
DRAINAGE STRUCTURES	LS			(50)
RAMP LIGHTING	LS			(250)
SUBTOTAL				8,026
CONTINGENCY (5%)				401
TOTAL CONTRACT COST				8,427
SUPERVISION, INSPECTION AND OVERHEAD (5%)				421
TOTAL REQUEST				8,848
TOTAL REQUEST (ROUNDED)				8,800

10. Description of Proposed Construction: Reinforced concrete slabs with provision for the aircraft support system and hydrant refueling system on the ramp. Provide ramp lighting and taxiway edge lighting. Remove old taxiway rubble. Reinforced concrete taxiway slabs. Relocate and extend utilities. Site improvements, drainage and support.

11. REQUIREMENT: 83,000 SM ADEQUATE: 0 SUBSTANDARD: 0
PROJECT: B-1 Aircraft Parking Apron and Relocate Taxiway (New Mission).
REQUIREMENT: The 116th Fighter Wing at Dobbins AFB is moving to Robins AFB and converting from F-15 fighter aircraft to B-1 bomber aircraft in 1996. The base needs an adequately sized and properly configured apron for parking and maintenance and a taxiway strong enough to support the load and allow the aircraft to taxi to both ends of the runway.
CURRENT SITUATION: A site survey conducted jointly by representatives from the Air National Guard, Air Combat Command, Air Force Material Command and HQ USAF ascertained there are no permanent facilities available at Robins AFB to house the B-1 aircraft. All permanent facilities at Robins AFB are being used to full capacity to support the numerous base missions. In the interim, the aircraft are parked in the old SAC alert apron. However, this apron is too small and is needed for munition storage and to load munitions on the aircraft. The base has made available an area where ANG can build the facilities. Until the ramp is constructed, the ANG will be using high risk workarounds for parking and maintaining the aircraft. The existing taxiway is not strong enough to support the B-1 aircraft, which is one of the heaviest weapon system in the inventory. The taxiway is also in the way of the parking apron and must be relocated. This taxiway is vital to the aircraft movements on the west side of the base and as access to the Hot Cargo Apron. Various Site

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-1 AIRCRAFT PARKING APRON AND RELOCATE TAXIWAY		UHHZ959701
<p>Activation Task force teams have declared the facility portion of the beddown as unsatisfactory pending the completion of these and numerous other facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Unable to properly park and maneuver the aircraft. Unable to reach the ends of the runway. The aircraft are parked over two miles from the hangar and other maintenance facilities. Unable to construct the munition maintenance and storage facilities. Aircraft and personnel will have to be flown to other bases for munition training and aircraft loading. Higher operating costs. Readiness and capability severely degraded.</p> <p><u>ADDITIONAL:</u> All known options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE GEORGIA		
4. PROJECT TITLE B-1 AIRCRAFT PARKING APRON AND RELOCATE TAXIWAY	5. PROJECT NUMBER UHHZ959701	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	95 SEP 01	
(b) Percent Complete as of Jan 96	40%	
(c) Date 35% Designed	96 FEB 01	
(d) Date Design Complete	96 AUG 31	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	440	
(b) All Other Design Costs	210	
(c) Total	650	
(d) Contract	650	
(e) In-house		
(4) Construction Start 97 MAY		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. Steve Rider (301) 836-8083		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE GEORGIA		4. PROJECT TITLE B-1 COMPOSITE AIRCRAFT MAINTENANCE COMPLEX		
5. PROGRAM ELEMENT 51628F	6. CATEGORY CODE 211-152	7. PROJECT NUMBER UHHZ939789	8. PROJECT COST(\$000) \$12,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
COMPOSITE AIRCRAFT MAINTENANCE COMPLEX	SM	7,138		9,609
GENERAL PURPOSE MAINTENANCE SHOPS	SM	2,000	1,250	(2,500)
FUEL SYSTEMS MAINTENANCE HANGAR	SM	2,150	1,400	(3,010)
CORROSION CONTROL HANGAR	SM	2,150	1,400	(3,010)
FUEL SYSTEMS/CORROSION CONTROL SHOPS	SM	550	1,300	(715)
SURVIVAL EQUIPMENT SHOP	SM	288	1,300	(374)
SUPPORTING FACILITIES				1,700
UTILITIES/FIRE SUPPRESSION	LS			(1,000)
SITE IMPROVEMENTS	LS			(100)
PAVEMENTS	LS			(600)
SUBTOTAL				11,309
CONTINGENCY (5%)				565
TOTAL CONTRACT COST				11,874
SUPERVISION, INSPECTION AND OVERHEAD (5%)				594
TOTAL REQUEST				12,468
TOTAL REQUEST (ROUNDED)				12,400
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab. Steel framed insulated panels walls, interior masonry walls and roof structure. Provide interior utilities. Provide exterior utilities, site improvements, access pavements, fire suppression, and support.				
<u>Air Conditioning:</u> 100 Tons.				
11. REQUIREMENT: 7,138 SM ADEQUATE: 0 SUBSTANDARD: 0				
<u>PROJECT:</u> B-1 Composite Aircraft Maintenance Complex (New Mission).				
<u>REQUIREMENT:</u> The 116th Fighter Wing at Dobbins AFB is moving to Robins AFB and converting from F-15 fighter aircraft to B-1 bomber aircraft in 1996. The base needs a complex for corrosion control, fuel cell inspection, aircraft maintenance and repair shops for the B-1 aircraft. This project is in the 3rd phase of a program to provide permanent facilities for these aircraft.				
<u>CURRENT SITUATION:</u> A site survey conducted jointly by representatives from the Air National Guard, Air Combat Command, Air Force Material Command and HQ USAF ascertained there are no permanent facilities available at Robins AFB to house the the B-1 aircraft maintenance functions. All permanent facilities at Robins AFB are being used to full capacity to support the numerous base missions. The base has made available an area where the ANG can build the permanent facilities. Until they are constructed, the ANG is using high risk workarounds to park and maintain the aircraft. The majority of the maintenance is done on the ramp, weather permitting. For covered maintenence area, the ANG shares the facilities, on a space available basis, with the other base users such as the C-141 depot mission and the KC-135 aircraft. The shops are also being shared. However, they are not properly sized or configured for B-1				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-1 COMPOSITE AIRCRAFT MAINTENANCE COMPLEX		UHHZ939789
<p>and are scattered among other shops and functions on base. Critical maintenance is done at other Air Force or ANG B-1 bases. Other critical maintenance tasks are delayed. Command and control and quality assurance for aircraft maintenance does not exist. Inclement weather reduces the work that can be performed on the ramp. The safety of the maintenance work force is compromised. The accumulated maintenance deficiencies can ground the aircraft and the crews cannot train. Various Site Activation Task Force teams have declared the facility portion of the beddown as unsatisfactory until these and other facilities are completed.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Unable to accomplish maintenance properly. Unable to reach full operational capability. Training opportunities are lost. Maintenance of engines and other aircraft components and systems are done on the ramp using high risk workarounds. Aircraft and personnel will have to be flown to other bases for some of the maintenance. Higher operating costs. Aircraft could be grounded and readiness and capability severely degraded.</p> <p><u>ADDITIONAL:</u> All known options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-1 COMPOSITE AIRCRAFT MAINTENANCE COMPLEX	UHHZ939789	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	95 JUL 01	
(b) Percent Complete as of Jan 96	40%	
(c) Date 35% Designed	95 DEC 15	
(d) Date Design Complete	96 AUG 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	730	
(b) All Other Design Costs	292	
(c) Total	1022	
(d) Contract	1022	
(e) In-house		
(4) Construction Start 97 MAY		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. Steve Rider (301) 836-8083		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE GEORGIA		4. PROJECT TITLE B-1 AGE AND MUNITIONS TRAILER MAINTENANCE COMPLEX		
5. PROGRAM ELEMENT 51628F	6. CATEGORY CODE 218-712	7. PROJECT NUMBER UHHZ959519	8. PROJECT COST(\$000) \$2,800	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
B-1 AGE AND MUNITIONS TRAILER MAINTENANCE COMPLEX	SM	2,100		1,759
AGE SHOPS MAINTENANCE AND STORAGE	SM	950	810	(770)
MUNITIONS TRAILER MAINTENANCE/STORAGE	SM	1,150	860	(989)
SUPPORTING FACILITIES				775
UTILITIES	LS			(230)
PAVEMENTS	LS			(310)
SITE IMPROVEMENTS	LS			(115)
SECURITY FENCING	LS			(120)
SUBTOTAL				2,534
CONTINGENCY (5%)				<u>127</u>
TOTAL CONTRACT COST				2,661
SUPERVISION, INSPECTION AND OVERHEAD (5%)				<u>133</u>
TOTAL REQUEST				2,794
TOTAL REQUEST (ROUNDED)				2,800
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, steel framed masonry walls and roof structure. Interior and exterior utilities; access pavement, fire protection and support. Air Conditioning: 10 Tons.				
11. REQUIREMENT: 6,000 SM ADEQUATE: 0 SUBSTANDARD: 0 <u>PROJECT:</u> B-1 AGE and Munitions Trailer Maintenance Complex (New Mission). <u>REQUIREMENT:</u> The 116th Fighter Wing at Dobbins AFB is moving to Robins AFB and converting from F-15 fighter aircraft to B-1 bomber aircraft in 1996. The base requires a properly sited, sized and configured complex for the B-1 aircraft support ground equipment and the trailers that carry munitions from the storage igloos to the aircraft. Functional areas include maintenance bays, equipment storage, tool room, locker rooms, classrooms, and administrative areas. <u>CURRENT SITUATION:</u> A site survey conducted jointly by representatives from the Air National Guard, Air Combat Command, Air Force Material Command and HQ USAF, ascertained there are no facilities available on the base that can be used for the munitions maintenance and AGE equipment storage. The B-1 aircraft has large numbers of support equipment that require maintenance and storage areas. The base has an area with sufficient quantity distance that meets all criteria and would allow construction of the complex. Until this project is completed the ANG will be using temporary leased trailers. The temporary age facility has been made available by the base. The space, however, is away from the aircraft parking and less than one third of the authorized space. The majority of the maintenance work is done outside, weather permitting. The equipment is also stored outside. <u>IMPACT IF NOT PROVIDED:</u> The ANG will be unable to accomplish proper				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-1 AGE AND MUNITIONS TRAILER MAINTENANCE COMPLEX		UHHZ959519
<p>munitions training maintenance and handling. The AGE equipment receives improper maintenance. Outside storage accelerates the rusting, corrosion and deterioration. Unable to reach full operational capability. Higher operating costs. Lack of adequate area directly impact unit's capability to support the mission. Degraded readiness.</p> <p><u>ADDITIONAL:</u> All known options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE GEORGIA		
4. PROJECT TITLE B-1 AGE AND MUNITIONS TRAILER MAINTENANCE COMPLEX	5. PROJECT NUMBER UHHZ959519	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	95 SEP 01	
(b) Percent Complete as of Jan 96	40%	
(c) Date 35% Designed	96 FEB 01	
(d) Date Design Complete	96 AUG 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	135	
(b) All Other Design Costs	70	
(c) Total	205	
(d) Contract	205	
(e) In-house		
(4) Construction Start	97 JUN	
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. Steve Rider (301) 836-8083		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE GEORGIA		4. PROJECT TITLE B-1 SITE IMPROVEMENTS, ROADS AND UTILITIES		
5. PROGRAM ELEMENT 51628F	6. CATEGORY CODE 932-000	7. PROJECT NUMBER UHHZ949508	8. PROJECT COST(\$000) \$5,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
B-1 SITE IMPROVEMENTS/ROADS/UTILITIES	LS			4,620
UTILITIES	LS			(1,740)
DRAINAGE STRUCTURES	LS			(1,350)
ROADS AND PARKING	LS			(1,530)
SUPPORTING FACILITIES				385
SITE IMPROVEMENTS	LS			(385)
SUBTOTAL				5,005
CONTINGENCY (5%)				250
TOTAL CONTRACT COST				5,255
SUPERVISION, INSPECTION AND OVERHEAD (5%)				263
TOTAL REQUEST				5,518
TOTAL REQUEST (ROUNDED)				5,500
10. Description of Proposed Construction: Paved road network, parking lots, major drainage structures and the underground utilities network. Tie the ANG area to the base utility network. Includes: gas, electric, water, storm and sanitary systems, communications, airfield drainage, industrial waste water pond, security fencing and minimal landscaping.				
11. REQUIREMENT: As required. <u>PROJECT:</u> B-1 Site Improvements, Roads and Utilities (New Mission). <u>REQUIREMENT:</u> The 116th Fighter Wing at Dobbins AFB is moving to Robins AFB and converting from F-15 fighter aircraft to B-1 bomber aircraft in 1996. The base requires properly sited and adequately configured facilities for the beddown of the B-1 aircraft which is one of the heaviest and noisiest in the Air Force aircraft inventory. <u>CURRENT SITUATION:</u> A site survey conducted jointly by representatives from the Air National Guard, Air Combat Command, Air Force Material Command and HQ USAF have ascertained there are no permanent facilities available at Robins to beddown the B-1 aircraft. The base has an open area that can be used for construction. It is located to the west of the existing base on semi-developed land. A major open drainage system crosses the property. The utilities do not exist in the area. All utilities and a road network must be extended to the area. The drainage must be rerouted. Ramp runoff must be captured, treated and disposed in an environmentally safe manner. Fuel spill containment measures must be constructed. The security fencing is needed to separate the flightline area from the rest of the base. Communications systems do not exist and must be constructed or extended from the base network. The central parking lots for parking up to 800 private owned vehicles, for UTA training, are not available and must be constructed. The area must be				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA <u>(computer generated)</u>	2. DATE
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
<u>B-1 SITE IMPROVEMENTS, ROADS AND UTILITIES</u>		UHHZ949508
<p>screened off from the nearby public roads for the noise and security.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Unable to beddown and properly maintain the B-1 aircraft resulting in a loss of training opportunities for over 1,400 personnel. Also unable to construct and utilize the required facilities for the unit to reach full operational capability resulting in a unsatisfactory rating for the mission beddown.</p> <p><u>ADDITIONAL:</u> All known options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-1 SITE IMPROVEMENTS, ROADS AND UTILITIES	UHHZ949508	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	95 FEB 23	
(b) Percent Complete as of Jan 96	70%	
(c) Date 35% Designed	95 OCT 15	
(d) Date Design Complete	96 MAY 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	102	
(b) All Other Design Costs	52	
(c) Total	154	
(d) Contract	154	
(e) In-house		
(4) Construction Start 97 JUN		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. Steve Rider (301) 836-8083		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII	4. AREA CONSTR COST INDEX 1.64	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 2 Army Installations, 1 Army Facility, 1 Air Force Base, 1 Air National Guard Unit, 2 Naval Installations, 1 Marine Corps Reserve Center, 4 Army National Guard Installations		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997		
CATEGORY		COST DESIGN STATUS
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u> <u>(\$000)</u> <u>START</u> <u>CMPL</u>
217-712	ALTER AVIONICS SHOP	465 SM 1,000 OCT 94 MAY 96
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>21 SEP 94</u> (Date)		
9. LAND ACQUISITION REQUIRED		None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY		COST
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u> <u>(\$000)</u>
141-753	ALTER SQUADRON OPERATIONS FACILITY	45,600 SF 9,000
219-944	BASE CIVIL ENGINEER MAINTENANCE COMPLEX	19,700 SF 4,100

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII							
11. PERSONNEL STRENGTH AS OF 18 AUG 95							
	PERMANENT			GUARD/RESERVE			
AUTHORIZED	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	866	21	128	717	2,611	303	2,308
ACTUAL	778	21	125	632	2,323	253	2,070
12. RESERVE UNIT DATA			STRENGTH				
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	HQ HI ANG	31	28				
	199 WF	14	13				
	154 GP	150	136				
	154 AGS	303	269				
	154 LG	31	38				
	154 LS	120	114				
	154 LSF	50	36				
	154 MXS	401	343				
	154 OG	10	8				
	154 ACWS	74	51				
	154 ACS	121	105				
	154 OSF	39	34				
	169 ACWS	204	179				
	199 FS	41	37				
	203 ARS	65	64				
	204 AS	46	49				
	154 SPTG	5	6				
	154 CF	35	34				
	154 CES	110	97				
	154 MSF	36	32				
	154 SPS	41	43				
	154 SVF	34	35				
	201 CCGP	57	48				
	291 CBCS	161	147				
	TOTALS	2,179	1,946				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-15C AIRCRAFT	15	20				
	C-130H AIRCRAFT	4	4				
	KC-135R AIRCRAFT	8	9				
	Support Equipment	361	361				
	Vehicle Equivalents	478	478				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE HAWAII		4. PROJECT TITLE ALTER AVIONICS SHOP		
5. PROGRAM ELEMENT 51411F	6. CATEGORY CODE 217-712	7. PROJECT NUMBER KNMD949763	8. PROJECT COST(\$000) \$1,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ALTER AVIONICS SHOP	SM	465	1,830	851
SUPPORTING FACILITIES				65
UTILITIES	LS			(65)
SUBTOTAL				916
CONTINGENCY (5%)				46
TOTAL CONTRACT COST				962
SUPERVISION, INSPECTION AND OVERHEAD (5%)				48
TOTAL REQUEST				1,010
TOTAL REQUEST (ROUNDED)				1,000
10. Description of Proposed Construction: Concrete block two story building inside existing hangar with mechanical, electrical, fire detection system, and utilities. <u>Air Conditioning:</u> 25 Tons.				
11. REQUIREMENT: 948 SM ADEQUATE: 483 SM SUBSTANDARD: 232 SM <u>PROJECT:</u> Alter Avionics Shop (New Mission). <u>REQUIREMENT:</u> The base requires a sufficiently sized, temperature controlled avionics and electronic countermeasures (ECM) shop to perform inspection, repair, maintenance, and calibration of electronic equipment on the ANG C-130 and KC-135 aircraft. This project will provide the necessary shop space in Hangar 17, Building 2030. Functional areas include ECM shop, administrative offices, and training rooms. <u>CURRENT SITUATION:</u> The host has permitted the ANG only temporary use of the space (232 SM) in the central core office area of Building 2030 until ANG constructs an avionics/ECM shop. This shop is too small and does not have proper electrical and mechanical systems to provide an acceptable facility for avionics and ECM equipment maintenance. Maintenance of avionics and ECM equipment requires a clean, dust free environment with controlled temperature and humidity for acceptable and certifiable service. <u>IMPACT IF NOT PROVIDED:</u> Degraded training. Costly repairs and utility services to existing building. High risk of not meeting Air Force technical standards for calibration of sensitive electronic equipment that provides guidance and control to high value aircraft. Loss of space due to other host missions planned for the existing area.				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE HAWAII		
4. PROJECT TITLE ALTER AVIONICS SHOP	5. PROJECT NUMBER KNMD949763	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status: (a) Date Design Started 94 OCT 26 (b) Percent Complete as of Jan 96 70% (c) Date 35% Designed 95 JUL 18 (d) Date Design Complete 96 MAY 15		
(2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 50 (b) All Other Design Costs 22 (c) Total 72 (d) Contract 72 (e) In-house		
(4) Construction Start 97 MAY		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. Lee Anderson (301) 836-8080		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION BOISE AIR TERMINAL (GOWEN FIELD) IDAHO		4. AREA CONSTR COST INDEX 1.19
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Facility, 1 Army Reserve Facility, 1 U. S. Army Signal Detachment, 1 Army Research Institute and 1 Navy/Marine Corp Reserve		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997		
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u> <u>COST (\$000)</u> <u>DESIGN STATUS</u> <u>START</u> <u>CMPL</u>
211-179	FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY	2,350 SM 4,500 APR 94 NOV 95
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>17 MAY 95</u> (Date)		
9. LAND ACQUISITION REQUIRED None (Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u> <u>COST (\$000)</u>
116-661	EXPAND ARM AND DISARM APRON	8,000 SY 1,000
141-753	C-130 COMPOSITE SQUADRON OPERATIONS FACILITY	26,200 SF 3,900
171-873	C-130 AERIAL PORT TRAINING FACILITY	14,200 SF 2,000
211-111	C-130 COMPOSITE HANGAR AND MAINTENANCE SHOPS	73,700 SF 12,000
211-157	C-130 ENGINE AND PROPELLER SHOPS	9,000 SF 1,300
211-179	UPGRADE A-10 FUEL CELL AND CORROSION CONTROL HANGAR/SHOPS	30,400 SF 1,300
216-642	UPGRADE AND EXPAND MUNITIONS	6,100 SF 1,300

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION BOISE AIR TERMINAL (GOWEN FIELD) IDAHO							
11. PERSONNEL STRENGTH AS OF 14 AUG 95							
	PERMANENT				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	657	73	497	87	1,274	155	1,119
ACTUAL	585	65	447	73	1,168	150	1,018
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>		<u>AUTHORIZED</u>		<u>STRENGTH</u>		
	HQ	STATE		29	27		
	124	SVF		30	22		
	124	OPS GP		5	5		
	124	LOG GP		19	18		
	124	SPT GP		5	4		
	124	OSF		38	38		
	124	MSF		34	30		
	124	MNT SQ		259	242		
	124	FLT GP		54	43		
	124	MED SQ		53	50		
	190	FLT SQ		46	47		
	124	CES		137	127		
	124	SPS		57	55		
	124	LOG SQ		111	103		
	189	FT FLT		181	144		
	124	COM FL		47	45		
	8124	ST FLT		7	24		
	124	ACFTSQ		146	131		
	124	LGSPSQ		16	13		
		TOTALS		1,274	1,168		
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-4G	27	27				
	C-26 Aircraft	1	1				
	A-10	17	0				
	C-130	4	0				
	Support Equipment	238	227				
	Vehicle Equivalents	289	337				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BOISE AIR TERMINAL (GOWEN FIELD) IDAHO		4. PROJECT TITLE FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY		
5. PROGRAM ELEMENT 54332F	6. CATEGORY CODE 211-179	7. PROJECT NUMBER BXRH959688	8. PROJECT COST(\$000) \$4,500	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FUEL SYSTEMS/CORROSION CONTROL FACILITY	SM	2,350	3,360	
FUEL SYSTEMS MAINTENANCE DOCK	SM	1,900	1,450	(2,755)
FUEL SYSTEMS MAINTENANCE SHOP	SM	160	1,350	(216)
CORROSION CONTROL SHOP	SM	140	1,340	(188)
PLASTIC MEDIA STRIPPING AREA	SM	150	1,340	(201)
SUPPORTING FACILITIES				700
UTILITIES	LS			(150)
PAVEMENTS	LS			(200)
SITE IMPROVEMENTS	LS			(50)
FIRE PROTECTION	LS			(300)
SUBTOTAL				4,060
CONTINGENCY (5%)				203
TOTAL CONTRACT COST				4,263
SUPERVISION, INSPECTION AND OVERHEAD (5%)				213
TOTAL REQUEST				4,476
TOTAL REQUEST (ROUNDED)				4,500

10. Description of Proposed Construction: Concrete floor slab, foundations, footings, structural steel framing, masonry walls and built-up roof. Mechanical ventilation system, drainage with oil/water separator, fire suppression, personnel breathing apparatus and all utilities and support.

Air Conditioning: 10 Tons.

11. REQUIREMENT: 2,350 SM ADEQUATE: 0 SUBSTANDARD: 1,354 SM
PROJECT: Fuel Systems Maintenance and Corrosion Control Facility (New Mission).

REQUIREMENT: This project supports the conversion from 30 F-4G to 17 A-10 and 4 C-130 aircraft. The base needs a facility for the repair of the aircraft fuel cells and bladders and space for the performance of corrosion control, washing, and spot painting of parts. Functional areas include fuel cell hangar bay, bladder repair and support shops with approach aprons to the hangar. Work must be performed indoors to keep dust and debris from entering the fuel cell bladders and to meet safety and environmental requirements.

CURRENT SITUATION: The F-4G fuel cell and corrosion control facilities cannot be used by the much larger A-10 and C-130 aircraft. The unit does not have any other facility to house these functions. Weather conditions and environmental regulations require that fuel cell maintenance be performed indoors since the aircraft fuel bladders and cells must remain open. This is in accordance with the Technical Order. Until this project is completed, the work will be done on the ramp or the aircraft flown to another base.

IMPACT IF NOT PROVIDED: Fuel system maintenance and corrosion control will have to be performed on the ramp in an unsafe manner and in violation

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <u>BOISE AIR TERMINAL (GOWEN FIELD) IDAHO</u>		
4. PROJECT TITLE <u>FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY</u>	5. PROJECT NUMBER <u>BXRH959688</u>	
<p>of Technical Orders. Lost training opportunities. Compliance with environmental regulations cannot be met without this facility. Unable to reach full operational capability.</p> <p><u>ADDITIONAL:</u> All known options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <u>BOISE AIR TERMINAL (GOWEN FIELD) IDAHO</u>		
4. PROJECT TITLE <u>FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY</u>	5. PROJECT NUMBER <u>BXRH959688</u>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 APR 29	
(b) Percent Complete as of Jan 96	100%	
(c) Date 35% Designed	95 MAR 01	
(d) Date Design Complete	95 NOV 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	200	
(b) All Other Design Costs	85	
(c) Total	285	
(d) Contract	285	
(e) In-house		
(4) Construction Start 97 AUG		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. John Loehle (301) 836-8076		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE		
3. INSTALLATION AND LOCATION GREATER PEORIA REGIONAL AIRPORT ANG ILLINOIS	4. AREA CONSTR COST INDEX 1.14			
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual training per year, daily use by technician/AGR force.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Armory, 1 Naval Reserve, 1 Marine Corps Reserve, 1 Army Reserve Center and 1 Coast Guard Reserve.				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997				
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u> <u>COST (\$000)</u>	<u>DESIGN</u>	<u>STATUS</u>
211-179	FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY	2,350 SM	4,200	APR 94 MAR 96
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved			<u>15 MAR 95</u> (Date)	
9. LAND ACQUISITION REQUIRED		None (Number of Acres)		
10. PROJECTS PLANNED IN NEXT FOUR YEARS			COST (\$000)	
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION GREATER PEORIA REGIONAL AIRPORT ANG ILLINOIS							
11. PERSONNEL STRENGTH AS OF 30 JUN 95							
	PERMANENT			GUARD/RESERVE			
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	279	11	53	215	1,133	160	973
ACTUAL	263	10	52	201	1,081	125	956
12. RESERVE UNIT DATA							
				STRENGTH			
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	182 AS	95	78				
	182 CES	134	120				
	182 ASOC	117	105				
	182 MXS	138	142				
	182 CF	42	39				
	182 MSF	33	33				
	182 LS	110	101				
	182 HQ AG	52	51				
	182 MDS	67	63				
	182 SPS	57	52				
	182 SVS FT	30	28				
	169 ACFP	79	61				
	182 OG	6	4				
	182 SG	5	4				
	182 LG	9	8				
	182 OSF	19	21				
	8182 STU FT	0	52				
	182 LSF	13	15				
	182 AGS	62	60				
	182 APF	65	44				
	TOTALS	1,133	1,081				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	C-26A Aircraft	1	1				
	C-130 Aircraft	8	8				
	Support Equipment	70	65				
	Vehicle Equivalents	555	773				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION GREATER PEORIA REGIONAL AIRPORT ANG ILLINOIS		4. PROJECT TITLE FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY		
5. PROGRAM ELEMENT 54332F	6. CATEGORY CODE 211-179	7. PROJECT NUMBER JLQN939873	8. PROJECT COST(\$000) \$4,200	

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FUEL SYSTEMS/CORROSION CONTROL FACILITY	SM	2,350		3,325
FUEL SYSTEMS MAINTENANCE HANGAR	SM	1,900	1,430	(2,717)
FUEL SYSTEMS MAINTENANCE SHOP	SM	160	1,350	(216)
CORROSION CONTROL SHOP	SM	140	1,350	(189)
PLASTIC MEDIA STRIPPING AREA	SM	150	1,350	(203)
SUPPORTING FACILITIES				490
UTILITIES	LS			(100)
PAVEMENTS	LS			(200)
SITE IMPROVEMENTS	LS			(25)
FIRE PROTECTION	LS			(165)
SUBTOTAL				3,815
CONTINGENCY (5%)				191
TOTAL CONTRACT COST				4,006
SUPERVISION, INSPECTION AND OVERHEAD (5%)				200
TOTAL REQUEST				4,206
TOTAL REQUEST (ROUNDED)				4,200

10. Description of Proposed Construction: Concrete floor slab, foundations, footings, structural steel framing, masonry walls and built-up roof. Mechanical ventilation system, drainage with oil/water separator, fire suppression, personnel breathing apparatus and all utilities and support.

Air Conditioning: 10 Tons.

11. REQUIREMENT: 2,350 SM ADEQUATE: 0 SUBSTANDARD: 1,580 SM
PROJECT: Fuel Systems Maintenance and Corrosion Control Facility (New Mission).

REQUIREMENT: This project supports the conversion from 18 F-16 fighter aircraft to 8 C-130 cargo aircraft. The base needs a facility for the repair of aircraft fuel cells and bladders, and the performance of corrosion control, washing, and spot painting of parts. Functional areas include a fuel system maintenance dock, bladder repair and support shops, and approach aprons to the hangar. Work must be performed indoors to prevent dust and debris from entering the fuel cell bladders and to meet safety and environmental requirements.

CURRENT SITUATION: The existing fighter-type fuel systems maintenance/corrosion control facility cannot be used by the much larger C-130 aircraft. The two bay facility has a load bearing wall between the bays which cannot be removed and prevents the C-130 from fitting into the fuel system maintenance dock. Also, space limitations preclude an extension to the front since it would not leave enough room for C-130 wing clearance between the maintenance hangar and the fuel system maintenance facility. The unit does not have any other facility to perform fuel system maintenance on C-130 aircraft. Weather conditions and environmental regulations require that fuel cell maintenance and corrosion

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
GREATER PEORIA REGIONAL AIRPORT ANG ILLINOIS		
4. PROJECT TITLE	5. PROJECT NUMBER	
FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY		JL0N939873
<p>control be performed indoors since the aircraft fuel bladders and cells must remain open for a considerable time. The existing fighter-type fuel system maintenance facility will be reused at minimal cost for aerial port training.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Fuel system maintenance and corrosion control will have to be performed on the ramp in an unsafe manner and in violation of Technical Orders. Lost training opportunities. Compliance with environmental regulations cannot be met without this facility. Unable to reach full operational capability.</p> <p><u>ADDITIONAL:</u> All known options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
GREATER PEORIA REGIONAL AIRPORT ANG ILLINOIS		
4. PROJECT TITLE <u>FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL FACILITY</u>	5. PROJECT NUMBER <u>JLQN939873</u>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 APR 29	
(b) Percent Complete as of Jan 96	70%	
(c) Date 35% Designed	95 SEP 30	
(d) Date Design Complete	96 MAR 31	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	200	
(b) All Other Design Costs	85	
(c) Total	285	
(d) Contract	285	
(e) In-house		
(4) Construction Start 97 AUG		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. Lee Anderson (301) 836-8080		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE		
3. INSTALLATION AND LOCATION FORT WAYNE INTERNATIONAL AIRPORT, INDIANA	4. AREA CONSTR COST INDEX 1.02			
5. FREQUENCY AND TYPE OF UTILIZATION Two Unit Training Assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Armory, 1 Army Reserve Facility, 1 Marine Reserve Facility				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997				
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST (\$000)	DESIGN STATUS <u>START</u> <u>CMPL</u>
871-183	UPGRADE DRAINAGE SYSTEM	LS	480	JAN 94 MAR 96
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				
		<u>24 AUG 95</u> (Date)		
9. LAND ACQUISITION REQUIRED	None			(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST (\$000)	
442-758	BASE SUPPLY COMPLEX	31,000 SF	3,750	
722-351	DINING HALL AND MEDICAL TRAINING FACILITY	34,800 SF	5,800	

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION FORT WAYNE INTERNATIONAL AIRPORT, INDIANA							
11. PERSONNEL STRENGTH AS OF 18 AUG 95							
	PERMANENT			GUARD/RESERVE			
AUTHORIZED	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	360	24	290	46	1,086	106	980
ACTUAL	352	23	285	44	1,046	104	942
12. RESERVE UNIT DATA			STRENGTH				
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	122 HQ FW	53	51				
	122 SPT GP	5	3				
	122 MSF	34	32				
	122 SPS	57	65				
	122 CES	134	115				
	122 SVF	30	28				
	122 CF	40	39				
	122 MED SQ	57	53				
	122 LG GP	20	19				
	122 MA SQ	201	194				
	122 AGS	175	168				
	122 LSF	32	29				
	122 LG SQ	111	109				
	122 OPS GP	3	4				
	163 FS	38	41				
	122 OSF	23	23				
	235 ATCF	68	73				
	8122 STU FL	5	0				
	TOTALS	1,086	1,046				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-16 C/D Aircraft	12	20				
	C-26 Aircraft	1	1				
	Support Equipment	170	134				
	Vehicle Equivalents	333	301				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION FORT WAYNE INTERNATIONAL AIRPORT INDIANA		4. PROJECT TITLE UPGRADE DRAINAGE SYSTEM		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 871-183	7. PROJECT NUMBER ATQZ949537	8. PROJECT COST(\$000) \$480	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE DRAINAGE SYSTEM	LS			340
SUPPORTING FACILITIES				95
PAVEMENTS	LS			(75)
SITE IMPROVEMENTS	LS			(20)
SUBTOTAL				435
CONTINGENCY (5%)				<u>22</u>
TOTAL CONTRACT COST				457
SUPERVISION, INSPECTION AND OVERHEAD (5%)				<u>23</u>
TOTAL REQUEST				480
TOTAL REQUEST (ROUNDED)				480
10. Description of Proposed Construction: Upgrade storm water collection and storm water retention system by resizing storm water inlets and storm water piping system. Reshape and regrade open channel storm water ditches. Tie into existing retention area and install storm water/oil separators. Regrade and reshape roadside swales. Upgrade deteriorated and undersized catchment basins. Repair pavements and sites.				
11. REQUIREMENT: As required. <u>PROJECT:</u> Upgrade Drainage System (Current Mission). <u>REQUIREMENT:</u> This is a level II environmental compliance project as mandated by the Clean Water Act and required by 40 CFR 125, Criteria and Standards for National Pollution Discharge Elimination System. An adequately sized, properly configured, and environmentally correct storm water drainage and collection system is required to reduce the sediment and glycol loadings leaving the base. An existing storm water retention pond will provide sufficient time to allow the sediments to settle and reduce the biological oxygen demand (BOD) of the gylcols. <u>CURRENT SITUATION:</u> The majority of the east side of the base has no structured drainage system to handle the rainfall. Surface storm water systems are undersized. Parking lots and roadways provide large impervious areas where oil mixes with storm water. Current deicing operations allow runoff of glycol-contaminated water to flow onto the ground. The undersized system does not allow sufficient settling of sediments or a reduction in the BOD. <u>IMPACT IF NOT PROVIDED:</u> The base will continue to discharge highly turbid and high BOD water to the water stream and adversely impact aquatic life. Continued violations of federal and state regulations could lead to environmental regulators imposing fines and penalties.				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <u>FORT WAYNE INTERNATIONAL AIRPORT INDIANA</u>		
4. PROJECT TITLE <u>UPGRADE DRAINAGE SYSTEM</u>	5. PROJECT NUMBER	ATQZ949537
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 JAN 05	
(b) Percent Complete as of Jan 96	70%	
(c) Date 35% Designed	95 JUN 01	
(d) Date Design Complete	96 MAR 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	25	
(b) All Other Design Costs	17	
(c) Total	42	
(d) Contract	42	
(e) In-house		
(4) Construction Start 97 JUL		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. Ron Schnakenberg (301) 836-8115		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE																							
3. INSTALLATION AND LOCATION BARNES MUNICIPAL AIRPORT ANG, MASSACHUSETTS		4. AREA CONSTR COST INDEX 1.34																							
5. FREQUENCY AND TYPE OF UTILIZATION Four Unit Training Assemblies per month, 15 days annual field training per year, daily use by civil service technician, Active Guard/Reserve personnel, and Cooperative Service Agreement employees, 24 hour coverage by security and fire fighter personnel																									
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 8 Army National Guard Armories, 1 Army Reserve Center, 1 Air Force Reserve Base, 1 Navy Reserve and 1 Marine Reserve																									
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997																									
<table border="1"> <thead> <tr> <th rowspan="2">CATEGORY <u>CODE</u></th> <th rowspan="2"><u>PROJECT TITLE</u></th> <th rowspan="2"><u>SCOPE</u></th> <th><u>COST</u></th> <th colspan="2"><u>DESIGN STATUS</u></th> </tr> <tr> <th><u>(\$000)</u></th> <th><u>START</u></th> <th><u>Cmpl</u></th> </tr> </thead> <tbody> <tr> <td>821-116</td> <td>UPGRADE HEATING DISTRIBUTION SYSTEM</td> <td>LS</td> <td>500</td> <td>OCT 93</td> <td>JUL 95</td> </tr> </tbody> </table>		CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>		<u>(\$000)</u>	<u>START</u>	<u>Cmpl</u>	821-116	UPGRADE HEATING DISTRIBUTION SYSTEM	LS	500	OCT 93	JUL 95									
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>				<u>SCOPE</u>	<u>COST</u>	<u>DESIGN STATUS</u>																		
		<u>(\$000)</u>	<u>START</u>	<u>Cmpl</u>																					
821-116	UPGRADE HEATING DISTRIBUTION SYSTEM	LS	500	OCT 93	JUL 95																				
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				15 AUG 95 (Date)																					
9. LAND ACQUISITION REQUIRED			None	(Number of Acres)																					
10. PROJECTS PLANNED IN NEXT FOUR YEARS																									
<table border="1"> <thead> <tr> <th rowspan="2">CATEGORY <u>CODE</u></th> <th rowspan="2"><u>PROJECT TITLE</u></th> <th rowspan="2"><u>SCOPE</u></th> <th><u>COST</u></th> </tr> <tr> <th><u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>442-758</td> <td>BASE SUPPLY COMPLEX</td> <td>30,000 SF</td> <td>4,500</td> </tr> <tr> <td>722-351</td> <td>DINING HALL</td> <td>11,300 SF</td> <td>2,650</td> </tr> <tr> <td>871-183</td> <td>UPGRADE STORM DRAINAGE SYSTEM</td> <td>LS</td> <td>350</td> </tr> <tr> <td>880-232</td> <td>BASEWIDE FIRE ALARM SYSTEM</td> <td>LS</td> <td>365</td> </tr> </tbody> </table>		CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u>	<u>(\$000)</u>	442-758	BASE SUPPLY COMPLEX	30,000 SF	4,500	722-351	DINING HALL	11,300 SF	2,650	871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	350	880-232	BASEWIDE FIRE ALARM SYSTEM	LS	365			
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>				<u>SCOPE</u>	<u>COST</u>																			
		<u>(\$000)</u>																							
442-758	BASE SUPPLY COMPLEX	30,000 SF	4,500																						
722-351	DINING HALL	11,300 SF	2,650																						
871-183	UPGRADE STORM DRAINAGE SYSTEM	LS	350																						
880-232	BASEWIDE FIRE ALARM SYSTEM	LS	365																						

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION BARNES MUNICIPAL AIRPORT ANG, MASSACHUSETTS							
11. PERSONNEL STRENGTH AS OF 31 JUL 96							
	PERMANENT			GUARD/RESERVE			
AUTHORIZED	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	297	7	62	228	1,045	110	935
ACTUAL	297	9	62	226	999	104	895
12. RESERVE UNIT DATA							
				<u>STRENGTH</u>			
	<u>UNIT DESIGNATION</u>			<u>AUTHORIZED</u>	<u>ACTUAL</u>		
104 FG HQ				54	51		
131 FS				41	38		
104 MNT SQ				224	229		
104 LOG SQ				116	115		
104 MED SQ				68	64		
104 CES				146	139		
104 SVF				30	32		
104 SPS				57	54		
104 CMN FL				42	40		
104 OPS GP				3	4		
104 LOG GP				20	20		
131 WEA FT				13	14		
104 SPT GP				5	4		
104 OSF				21	23		
104 MSSQ				34	30		
104 AGS				137	116		
104 LGSPT				34	26		
TOTALS				1,045	999		
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
A-10 Aircraft		17	20				
Support Equipment		83	74				
Vehicle Equivalents		252	252				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION BARNES MUNICIPAL AIRPORT ANG MASSACHUSETTS		4. PROJECT TITLE UPGRADE HEATING DISTRIBUTION SYSTEM		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 821-116	7. PROJECT NUMBER AXOD939759	8. PROJECT COST(\$000) \$500	

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE HEATING DISTRIBUTION SYSTEM	LS			342
SUPPORTING FACILITIES				112
UTILITIES	LS		(32)	
SITE IMPROVEMENTS	LS		(20)	
ASBESTOS REMOVAL	LS		(60)	
SUBTOTAL				454
CONTINGENCY (5%)				23
TOTAL CONTRACT COST				477
SUPERVISION, INSPECTION AND OVERHEAD (5%)				24
TOTAL REQUEST				501
TOTAL REQUEST (ROUNDED)				500

10. Description of Proposed Construction: Remove steam heat distribution system in Hangar 15 lean-to and in-floor radiant heat system. Replace heating system in hangar floors and lean-to with insulated hot water system. Remove asbestos insulation. Replace overhead distribution piping with underground distribution piping. Includes utilities and site work.

11. REQUIREMENT: As required.

PROJECT: Upgrade Heating Distribution System (Current Mission).

REQUIREMENT: This is a level II environmental compliance project mandated by Clean Air Act Amendments of 1990 and required by 40 CFR 50, National Primary and Secondary Ambient Air Quality Standards, and 40 CFR 61, National Emission Standards for Hazardous Air Pollutants. The base requires a properly sized and efficient heating system which meets applicable clean air requirements.

CURRENT SITUATION: The base is in a serious non-attainment area for ozone and the heat plant does not meet current air quality emission standards. A large quantity of heat is lost in the distribution system. Partly steam and partly hot water, the system is inefficient and wastes energy. Pumps, controls, and monitoring systems are unreliable and parts are no longer readily available. Steam lines and valves are corroded beyond acceptable tolerances. Sections of piping need frequent replacement because of failure from corroded conditions.

IMPACT IF NOT PROVIDED: Unable to meet federal and state air emission standards which could result in notices of violation from environmental regulators leading to possible fines and penalties. Higher operating costs would continue and complete failure of the heating system could occur.

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
BARNES MUNICIPAL AIRPORT ANG MASSACHUSETTS		
4. PROJECT TITLE UPGRADE HEATING DISTRIBUTION SYSTEM	5. PROJECT NUMBER AXOD939759	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status: (a) Date Design Started 93 OCT 22 (b) Percent Complete as of Jan 96 100% (c) Date 35% Designed 94 NOV 10 (d) Date Design Complete 95 JUL 01		
(2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 23 (b) All Other Design Costs 13 (c) Total 36 (d) Contract 36 (e) In-house		
(4) Construction Start 97 JUN		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Lt Col Bob Lyon (301) 836-8070		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		4. AREA CONSTR COST INDEX 1.03
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air Force Reserve, 1 Army Reserve, 1 Active Air Force Base, 1 Navy Reserve and 1 Army National Guard		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997		
CATEGORY <u>CODE</u> <u>PROJECT TITLE</u>		<u>COST</u> <u>DESIGN STATUS</u> <u>(\$000)</u> <u>START</u> <u>CMPL</u>
422-256 MUNITIONS TRAILER MAINTENANCE FACILITY		233 SM 500 DEC 88 JUL 91
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>13 APR 95</u> (Date)		
9. LAND ACQUISITION REQUIRED		None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY <u>CODE</u> <u>PROJECT TITLE</u>		<u>COST</u> <u>(\$000)</u>
214-425 ADD TO AND ALTER VEHICLE AND AGE MAINTENANCE SHOPS		18,800 SF 2,100
610-281 ANGRC COMPOSITE SUPPORT CENTER		LS 20,000
610-281 ALTER ANGRC SUPPORT CENTER		LS 5,600

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND							
11. PERSONNEL STRENGTH AS OF 31 AUG 95							
	PERMANENT			GUARD/RESERVE			
AUTHORIZED	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	520	38	145	337	1,488	170	1,318
ACTUAL	518	38	140	340	1,346	173	1,173
12. RESERVE UNIT DATA							
				STRENGTH			
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	113 FW	56	51				
	113 OPS GP	3	3				
	113 FT SQ	39	38				
	113 OP FT	22	20				
	113 LOG	20	17				
	113 MTN SQ	201	183				
	113 LOG	107	102				
	113 SPT GP	5	5				
	113 MSN FT	34	33				
	113 CES	110	106				
	113 POLICE	57	53				
	113 COMM	35	36				
	113 SVS	40	40				
	113 MED	53	54				
	113 ACFT	175	141				
	113 LOG	32	25				
	113 HQ DC	44	38				
	201 ALS	205	195				
	121 WEA	22	18				
	231 CCMBT	228	188				
	TOTALS	1,488	1,346				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-16 Aircraft	12	15				
	C-21 Aircraft	4	4				
	C-22 Aircraft	5	3				
	Support Equipment	189	183				
	Vehicle Equivalents	427	451				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE MARYLAND		4. PROJECT TITLE MUNITIONS TRAILER MAINTENANCE FACILITY		
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 422-256	7. PROJECT NUMBER AJXF000836B	8. PROJECT COST(\$000) \$500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MUNITIONS TRAILER MAINTENANCE FACILITY	SM	233		298
EQUIPMENT MAINTENANCE AND STORAGE AREA	SM	93	1,300	(121)
MUNITIONS MAINTENANCE AREA	SM	47	1,190	(56)
PAINT SPRAY BOOTH AREA	SM	93	1,300	(121)
SUPPORTING FACILITIES				150
UTILITIES	LS			(55)
PAVEMENTS	LS			(75)
SITE IMPROVEMENTS	LS			(20)
SUBTOTAL				448
CONTINGENCY (5%)				<u>22</u>
TOTAL CONTRACT COST				470
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				<u>31</u>
TOTAL REQUEST				501
TOTAL REQUEST (ROUNDED)				500

10. Description of Proposed Construction: Reinforced concrete slab and foundation, steel framed structure, membrane roof, and asphaltic concrete vehicle parking area. Provide all utilities, pavements and site improvements.

Air Conditioning: 10 Tons.

11. REQUIREMENT: 233 SM ADEQUATE: 93 SM SUBSTANDARD: 0
PROJECT: Munitions Trailer Maintenance Facility (Current Mission).
REQUIREMENT: This is a Level I Commanders Facility Assessment (CFA) requirement. The base requires adequate space for munitions trailer maintenance, munitions trailers and AGE equipment storage. Additional space is required for administration and support space.
CURRENT SITUATION: The carts and trailers that carry the F-16 munitions items from the storage igloos to the aircraft parking ramp are stored and maintained outdoors. This is done within the fenced and secure area of the munitions storage compound which is located in a remote part of the base. While there are many other tenants on Andrews AFB, ANG is the only organization that stores and maintains munitions for the fighter aircraft. The work must be done within the fenced and secure area to effectively train the troops. There are no other facilities or space within the secure area. There is inadequate space for storage and corrosion control of support equipment, trailers and tanks. The work outside is controlled by the weather. The outside storage accelerates the deterioration and prevents the full use of the equipment for training purposes during the coldest months. Equipment deterioration and malfunction result in unsafe and dangerous working condition. This is unsafe, wastes money and has potential environmental problems.

IMPACT IF NOT PROVIDED: Maintenance on trailers continues to be done in

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <u>ANDREWS AIR FORCE BASE MARYLAND</u>		
4. PROJECT TITLE <u>MUNITIONS TRAILER MAINTENANCE FACILITY</u>	5. PROJECT NUMBER <u>AJXF000836B</u>	
<p>the open. Painting of equipment is done in violation of fire, safety and environmental air emission regulations. Inefficient operations and loss of training manhours continue. Potential dangerous and unsafe working conditions.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE MARYLAND		
4. PROJECT TITLE MUNITIONS TRAILER MAINTENANCE FACILITY	5. PROJECT NUMBER AJXF000836B	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	88 DEC 12	
(b) Percent Complete as of Jan 96	100%	
(c) Date 35% Designed	90 JUN 04	
(d) Date Design Complete	91 JUL 30	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	18	
(b) All Other Design Costs	16	
(c) Total	34	
(d) Contract	34	
(e) In-house		
(4) Construction Start 97 JUL		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. Steve Rosner (301) 836-8186		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION SELFRIIDGE ANG BASE, MICHIGAN	4. AREA CONSTR COST INDEX 1.21	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 5 Army Reserve Centers, 2 Army National Guard Armories and 1 Naval Armory		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997		
CATEGORY <u>CODE</u> <u>PROJECT TITLE</u>		<u>SCOPE</u> <u>COST</u> <u>DESIGN STATUS</u> (\$000) START CMPL
821-116 UPGRADE HEATING SYSTEMS		LS 3,000 APR 93 FEB 96
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>23 FEB 95</u> (Date)		
9. LAND ACQUISITION REQUIRED		None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY <u>CODE</u> <u>PROJECT TITLE</u>		<u>SCOPE</u> <u>COST</u> (\$000)
116-672 AIRCRAFT DE ICING APRON		LS 400
149-962 CONTROL TOWER		LS 2,900
219-944 BASE CIVIL ENGINEERING MAINTENANCE FACILITY		18,100 SF 2,700
730-142 FIRE STATION		29,800 SF 5,000
850-000 STORM WATER TREATMENT FACILITY		LS 1,500
851-000 UPGRADE SANITARY AND DRAINAGE SYSTEMS		LS 1,800

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
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3. INSTALLATION AND LOCATION
SELFRIIDGE ANG BASE, MICHIGAN

11. PERSONNEL STRENGTH AS OF 30 JUN 95

	PERMANENT				GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	1,071	45	491	535	1,845	220	1,625
ACTUAL	979	44	485	450	1,716	189	1,527

12. RESERVE UNIT DATA

<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
127 SVF	30	23
107 FS	37	45
127 MS	243	428
127 MEDS	72	68
127 FW	53	45
127 COMFLT	35	39
127 SPS	57	58
127 LS	143	104
107 WX LT	19	20
191 SVF	30	27
171 AS	95	147
191 MS	171	225
191 AG	114	41
191 MEDS	56	46
191 CES	140	130
191 SPS	57	51
191 LS	123	92
191 COMMS	39	37
191 OG	6	5
191 LG	9	12
191 SPTG	5	3
191 OSF	19	23
127 OG	3	3
127 LG	20	16
TOTALS	1,576	1,688

13. MAJOR EQUIPMENT AND AIRCRAFT

<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>
F-16A/B Aircraft	12	20
G-26B Aircraft	1	1
C-130E	8	8
Support Equipment	262	255
Vehicle Equivalents	902	838

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SELFRIFFE AIR NATIONAL GUARD BASE MICHIGAN		4. PROJECT TITLE UPGRADE HEATING SYSTEMS		
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 821-116	7. PROJECT NUMBER VGLZ929903	8. PROJECT COST(\$000) \$3,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE HEATING SYSTEMS	LS			2,200
SUPPORTING FACILITIES				500
UTILITIES	LS			(280)
PAVEMENTS	LS			(170)
SITE IMPROVEMENTS	LS			(50)
SUBTOTAL				2,700
CONTINGENCY (5%)				<u>135</u>
TOTAL CONTRACT COST				2,835
SUPERVISION, INSPECTION AND OVERHEAD (5%)				<u>142</u>
TOTAL REQUEST				2,977
TOTAL REQUEST (ROUNDED)				3,000

10. Description of Proposed Construction: The shutdown of the steam distribution system serving twelve buildings on the west side of the base requires the installation of packaged heating systems. These will be grouped to most efficiently serve the affected buildings. Provide all utilities, pavements, site improvements, and support.

11. REQUIREMENT: As required.

PROJECT: Upgrade Heating Systems (Current Mission).

REQUIREMENT: This is a level I environmental compliance project mandated by Clean Air Act Amendments of 1990 and required by 40 CFR 50, National Primary and Secondary Ambient Air Quality Standards and 40 CFR 61, National Emissions Standards for Hazardous Air Pollutants. The state inspectors have determined that the stack emissions exceeded the regulatory level of 20% opacity. The base requires adequate heating systems which are economical to maintain, operate and do not pollute the air and ground water. Buildings 1403, 1407, 1409, 1410, 1414, 1424, 1425, 1426, 1427, 1428, 1429, and 1430 require packaged heating units.

CURRENT SITUATION: In a non-attainment area for ozone, the base has a coal-fired central heating plant which is antiquated and does not meet current air quality emission standards. The central plant serves twelve buildings through a system of approximately six miles of underground and above ground high temperature hot water lines. It has old boilers which are not economical to operate. The heating plant also has numerous health and safety violations. Lines serving the buildings are old, poorly insulated, and leak, resulting in a substantial loss of energy. The pipes also have asbestos insulation. The electrical connections are old and corroded. The coal storage piles have contaminated the groundwater. The plant must also be operated throughout the year to allow the

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
SELFRIIDGE AIR NATIONAL GUARD BASE MICHIGAN		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE HEATING SYSTEMS	VGLZ929903	

production of hot water for the various buildings. It is not economical to upgrade the heating plant to meet air quality emission standards. This project will construct energy efficient and smaller gas-fired heating units that will be more economical to operate and maintain. The grouping was determined by an extensive study and economic analysis. Upon completion of this project the following will occur: remove coal pile and restore contaminated area; remove 1,000 LF of railroad track; demolish Buildings 1418 (2,600 SF) and 1005 (3,959 SF); and remove all of the remaining supporting appurtenances.

IMPACT IF NOT PROVIDED: Unable to comply with the federal and state air emission standards. Environmental regulators could issue notices of violation and fines for air and groundwater pollution. Large energy losses and inadequate heating for twelve buildings. Health and safety hazards and higher operating costs would continue to occur. Regulatory or operational constraints could shut down the system leading to partial shut down of the base.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on life-cycle costs in net present value and the benefits of the respective alternatives, grouping of the boilers into packaged units was found to be the most cost effective for this project. This project is the final of a 3-phase program for the total conversion of the two central heating plants to individual/grouped gas fired systems.

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
SELFRIIDGE AIR NATIONAL GUARD BASE MICHIGAN		
4. PROJECT TITLE UPGRADE HEATING SYSTEMS	5. PROJECT NUMBER VGLZ929903	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 APR 14	
(b) Percent Complete as of Jan 96	95%	
(c) Date 35% Designed	95 MAR 31	
(d) Date Design Complete	96 FEB 05	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	175	
(b) All Other Design Costs	72	
(c) Total	247	
(d) Contract	247	
(e) In-house		
(4) Construction Start	97 JUL	
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. John Loehle (301) 836-8076		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE	
3. INSTALLATION AND LOCATION ATLANTIC CITY INTERNATIONAL AIRPORT, NEW JERSEY	4. AREA CONSTR COST INDEX 1.20		
5. FREQUENCY AND TYPE OF UTILIZATION Four Unit Training Assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 2 Army National Guard Armories, 1 Coast Guard Training Center			
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997			
CATEGORY		COST (\$000)	DESIGN STATUS
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>START</u> <u>CMPL</u>
171-450	ADD TO AND ALTER MEDICAL TRAINING FACILITY	530 SM	380 APR 94 APR 96
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved			<u>15 NOV 94</u> (Date)
9. LAND ACQUISITION REQUIRED		None (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS			COST
CATEGORY		<u>SCOPE</u>	<u>(\$000)</u>
<u>CODE</u>	<u>PROJECT TITLE</u>		
131-111	COMMUNICATIONS AND SECURITY POLICE FACILITY	14,800 SF	2,650
422-264	STORAGE IGLOOS	6,400 SF	1,100

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION ATLANTIC CITY INTERNATIONAL AIRPORT, NEW JERSEY							
11. PERSONNEL STRENGTH AS OF 1 SEP 95							
	PERMANENT			GUARD/RESERVE			
AUTHORIZED	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	352	7	53	292	1,042	90	952
ACTUAL	352	7	53	292	930	93	837
12. RESERVE UNIT DATA							
				STRENGTH			
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	177 FG	58	51				
	119 FS	34	32				
	177 MSQ	192	144				
	177 LSQ	112	103				
	177 COM	47	43				
	177 MSS FT	35	33				
	177 CES	140	135				
	177 SPS	85	87				
	177 MED SQ	56	53				
	177 SVF	30	27				
	177 OPS GP	3	1				
	177 LGS GP	20	20				
	177 SPT GP	5	5				
	177 OPS FT	21	21				
	177 LGS FT	32	30				
	177 AGS	151	143				
	177 FG DET	21	2				
	TOTALS	1,042	930				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-16 Aircraft	15	18				
	Support Equipment	115	103				
	Vehicle Equivalents	267	293				

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE	
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO	4. AREA CONSTR COST INDEX 1.02		
5. FREQUENCY AND TYPE OF UTILIZATION Four Unit Training assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 3 Army National Guard Armories, 2 Army Reserve Facilities, 1 Naval/Marine Reserve Facility			
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997			
CATEGORY		COST (\$000)	DESIGN STATUS
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>START</u> <u>CMPL</u>
216-642	MUNITIONS MAINTENANCE AND STORAGE COMPLEX	1,678 SM	3,000 JUL 91 NOV 95
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved			23 AUG 95 (Date)
9. LAND ACQUISITION REQUIRED		None (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS			COST
CATEGORY		<u>SCOPE</u>	<u>(\$000)</u>
<u>CODE</u>	<u>PROJECT TITLE</u>		
131-111	COMPOSITE SUPPORT FACILITY	14,500 SF	3,000
141-753	ADD TO AND ALTER SQUADRON OPERATIONS FACILITY	22,300 SF	2,800
442-758	ADD TO AND ALTER BASE SUPPLY WAREHOUSE	41,000 SF	2,400

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO							
11. PERSONNEL STRENGTH AS OF 15 AUG 95							
	PERMANENT			GUARD/RESERVE			
AUTHORIZED	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	364	36	324	4	1,038	121	917
ACTUAL	364	36	324	4	1,043	121	922
12. RESERVE UNIT DATA							
				STRENGTH			
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	HQ NM ANG	28	24				
	150 FG	53	52				
	150 MED SQ	53	49				
	150 MSN SQ	34	33				
	150 MNT SQ	220	230				
	150 ACFTSQ	189	201				
	150 LGSPFT	32	22				
	150 CES	110	104				
	150 SVSFLT	30	32				
	150 SP SQ	57	58				
	150 LG SQ	111	104				
	150 COM FT	39	39				
	150 SPT GP	5	5				
	188 FTR SQ	38	45				
	8150 STUFLT	5	19				
	150 OPS GP	3	3				
	150 OPS FT	31	23				
	TOTALS	1,038	1,043				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-16 Aircraft (LANTRIN, Block 40)	12	19				
	F-16 Aircraft (DSE, Block 30)	8	11				
	C-26 Aircraft	1	1				
	Support Equipment	171	150				
	Vehicle Equivalents	179	86				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE NEW MEXICO		4. PROJECT TITLE MUNITIONS MAINTENANCE AND STORAGE COMPLEX		
5. PROGRAM ELEMENT 52620F	6. CATEGORY CODE 216-642	7. PROJECT NUMBER MHMV899521	8. PROJECT COST(\$000) \$3,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MUNITIONS MAINTENANCE AND STORAGE	SM	1,678		1,743
SUPPORT AND TRAILER MAINTENANCE	SM	700	1,350	(945)
MUNITIONS MAINTENANCE	SM	428	1,350	(578)
ALTER MUNITIONS STORAGE	SM	550	400	(220)
SUPPORTING FACILITIES				980
UTILITIES/SEWER LATERAL	LS			(430)
PAVEMENTS, ROADS AND LOADING PAD	LS			(400)
SITE IMPROVEMENTS	LS			(75)
PREWIRED WORK STATIONS	LS			(25)
LOADING/UNLOADING DOCK	LS			(50)
SUBTOTAL				2,723
CONTINGENCY (5%)				136
TOTAL CONTRACT COST				2,859
SUPERVISION, INSPECTION AND OVERHEAD (5%)				143
TOTAL REQUEST				3,002
TOTAL REQUEST (ROUNDED)				3,000
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry/reinforced concrete walls and a frangible built-up roof for the maintenance/administration area. Metal building/concrete floor for covered storage/missile training area. Alter existing storage. Overlay road, provide new pavements and utilities. Extend sewer lateral into the munitions complex.				
<u>Air Conditioning:</u> 25 Tons.				
11. REQUIREMENT: 1,678 SM ADEQUATE: 0 SUBSTANDARD: 1,255 SM				
<u>PROJECT:</u> Munitions Maintenance and Storage Complex (New Mission).				
<u>REQUIREMENT:</u> This project supports the conversion from A-7 to F-16 aircraft in October 1992. Adequate training and operational facilities are necessary to support the storage, inspection, maintenance, and repair of aircraft missiles and missile trailers. Functional areas required are missile maintenance bays, trailer maintenance bay, parts storage, administration area, rest rooms, and missile, 20-mm munitions and ALS/ULS processing areas.				
<u>CURRENT SITUATION:</u> The ANG munitions maintenance is in a shared Air Force facility and is conducted in an unsafe and undersized area that is 25% of the minimum required space. The area is also too close to a new taxiway that the airport authority is building for commercial operation. The distance to the new taxiway limits the type of explosives that can be stored, maintained and used for training. During training weekends, only one training class at a time can be conducted due to the limited space available. Trailer maintenance is performed outside exposed to the elements which can be extreme heat/cold with high winds and blown sand. No missile maintenance facility exists. Maintenance and training requirements have increased with the F-16 creating the need for more				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <u>KIRTLAND AIR FORCE BASE NEW MEXICO</u>		
4. PROJECT TITLE <u>MUNITIONS MAINTENANCE AND STORAGE COMPLEX</u>	5. PROJECT NUMBER <u>MHMV899521</u>	
<p>space. Air Force shared maintenance space is a temporary workaround. The ANG is only scheduled space when Air Force is not using it. Some alterations to the existing facilities that will make up this complex are required. The munition area is located at a remote part of the base and some infrastructure work is mandatory. An existing access road to the proposed site is in need of an overlay as smooth pavements are required for the movement of munitions. Environmental restrictions require that sewage from the area be transmitted to a treatment plant through a sewer lateral. Since none exist in the area, one must be constructed from the proposed building site to an existing sanitary system.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The unit is unable to properly and safely maintain the munitions for the new aircraft. There is no space to accommodate the new missile test equipment, maintain/store trailers and provide necessary munitions training. The unit is not able to accomplish the mission.</p> <p><u>ADDITIONAL:</u> Upon completion of this project, Buildings 749 @ 123 SF; 754 @ 5,474 SF; 755 @ 5,474 SF, and 756 @ 822 SF will be returned to the Air Force for disposition. Three trailers used to supplement the above space will be disposed upon completion of this project. All known options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <u>KIRTLAND AIR FORCE BASE NEW MEXICO</u>		
4. PROJECT TITLE <u>MUNITIONS MAINTENANCE AND STORAGE COMPLEX</u>	5. PROJECT NUMBER <u>MHMV899521</u>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	91 JUL 26	
(b) Percent Complete as of Jan 96	100%	
(c) Date 35% Designed	94 FEB 22	
(d) Date Design Complete	95 NOV 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	141	
(b) All Other Design Costs	68	
(c) Total	209	
(d) Contract	209	
(e) In-house		
(4) Construction Start 97 JUN		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. Ron Schnakenberg (301) 836-8115		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION RENO CANNON INTERNATIONAL AIRPORT, NEVADA	4. AREA CONSTR COST INDEX 1.20	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 2 Army National Guard Units, 1 Army Reserve Unit, 1 Naval Reserve Unit and 1 Marine Corps Reserve Unit		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997		
CATEGORY		COST DESIGN STATUS
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u> <u>(\$000)</u> <u>START</u> <u>CMPL</u>
211-179	FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL HANGAR	2,410 SM 4,600 SEP 95 SEP 96
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>18 MAY 95</u> (Date)		
9. LAND ACQUISITION REQUIRED		None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY		COST
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u> <u>(\$000)</u>
113-321	ADD TO AIRCRAFT PARKING APRON	9,800 SY 1,400
171-873	AERIAL PORT TRAINING FACILITY	14,200 SF 2,000
214-425	VEHICLE MAINTENANCE COMPLEX	20,000 SF 3,000

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION RENO CANNON INTERNATIONAL AIRPORT, NEVADA							
11. PERSONNEL STRENGTH AS OF 15 MAR 95							
	PERMANENT			GUARD/RESERVE			
AUTHORIZED	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	361	43	302	16	1,125	146	979
ACTUAL	339	36	288	15	1,069	144	925
12. RESERVE UNIT DATA							
				STRENGTH			
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>				
HQ NV ANG		29	30				
152 CES		131	114				
152 CMN FT		38	37				
152 ITL SQ		96	89				
152 LGS GP		17	15				
152 LGS SQ		106	100				
152 MAI SQ		406	330				
152 MEG SQ		34	33				
152 MSQ FT		34	34				
152 OPS GP		10	6				
152 OSS FT		14	11				
152 RCN GP		48	45				
152 SEP FT		57	60				
152 SER FT		28	25				
152 SUT GP		5	3				
152 STU FT		7	73				
192 RCN SQ		65	64				
TOTALS		1,125	1,069				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
C-130 Aircraft		8	2				
Support Equipment		183	187				
Vehicle Equivalents		71	73				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION RENO CANNON INTERNATIONAL AIRPORT NEVADA		4. PROJECT TITLE FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL HANGAR		
5. PROGRAM ELEMENT 54332F	6. CATEGORY CODE 211-179	7. PROJECT NUMBER UCTL949732	8. PROJECT COST(\$000) \$4,600	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FUEL SYSTEMS MAINTENANCE DOCK	SM	2,410		3,602
FUEL SYSTEMS MAINTENANCE HANGAR	SM	1,900	1,550	(2,945)
FUEL SYSTEMS MAINTENANCE SHOP	SM	160	1,300	(208)
CORROSION CONTROL SHOP	SM	140	1,300	(182)
PLASTIC MEDIA STRIPPING AREA	SM	150	1,300	(195)
MUNITION STORAGE RELOCATION	SM	60	1,200	(72)
SUPPORTING FACILITIES				590
UTILITIES	LS			(150)
PAVEMENTS/SITE IMPROVEMENTS/DEMOLITION	LS			(175)
FIRE PROTECTION SUPPORT	LS			(265)
SUBTOTAL				4,192
CONTINGENCY (5%)				210
TOTAL CONTRACT COST				4,402
SUPERVISION, INSPECTION AND OVERHEAD (5%)				220
TOTAL REQUEST				4,622
TOTAL REQUEST (ROUNDED)				4,600

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural steel framing with insulated metal panels and roof. Interior masonry walls, mechanical ventilation system, drainage with oil/water separator, fire suppression, personnel breathing apparatus and utilities. Exterior access pavements, utilities and support. Demolish Building 1 at 3,087 SF that is in the way of construction.
Air Conditioning: 10 Tons.
11. REQUIREMENT: 2,410 SM ADEQUATE: 0 SUBSTANDARD: 1,023 SM <u>PROJECT:</u> Fuel System Maintenance and Corrosion Control Hangar (New Mission). <u>REQUIREMENT:</u> This project supports the conversion from 18 RF-4 fighter aircraft to 8 C-130 cargo aircraft. A facility for repair of C-130 aircraft fuel cells and bladders is required. Functional areas include fuel cell hangar bay, bladder repair and support shops and approach aprons to the hangar. Work must be performed indoors to keep dust and debris from entering the fuel cell bladders and to meet environmental requirements. Aircraft washing shall also occur in this facility. A small munitions shop which is in the way of the construction must be demolished and a new facility built in its place. <u>CURRENT SITUATION:</u> The base does not have a facility for performing Fuel Cell/Corrosion Control on C-130 aircraft. The fighter type fuel cell/corrosion control facility cannot be used by the much larger C-130 aircraft. The facility has been converted for use as aerial port training. Weather conditions and environmental regulations require that fuel cell maintenance and corrosion control be performed indoors since the aircraft fuel bladders and cells must remain open for a considerable time. The small munitions storage building in the way of construction must be

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
RENO CANNON INTERNATIONAL AIRPORT NEVADA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL HANGAR		UCTL949732
<p>demolished to make room for the fuel cell.</p> <p><u>IMPACT IF NOT PROVIDED:</u> In good weather, fuel system maintenance and corrosion control will be performed on the ramp in an unsafe manner and in violation of Technical Orders. If a fuel spill should occur, it will seep through the pavement joints and contaminate the soil and ground water. When the weather does not allow outdoor work the aircraft will have to be flown to another base that has the capability. Work at other locations will be done on a space available basis. Compliance with environmental regulations cannot be met. Lost training opportunities and higher operating costs. Unable to reach full operational capability.</p> <p><u>ADDITIONAL:</u> There are no facilities on base that can house this function. All known options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
RENO CANNON INTERNATIONAL AIRPORT NEVADA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FUEL SYSTEMS MAINTENANCE AND CORROSION CONTROL HANGAR	UCTL949732	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	95 SEP 01	
(b) Percent Complete as of Jan 96	40%	
(c) Date 35% Designed	95 DEC 20	
(d) Date Design Complete	96 SEP 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	240	
(b) All Other Design Costs	100	
(c) Total	340	
(d) Contract	340	
(e) In-house		
(4) Construction Start 97 AUG		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Capt Mark Susa (301) 836-8187		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE	
3. INSTALLATION AND LOCATION FRANCIS S GABRESKI AIRPORT, NEW YORK	4. AREA CONSTR COST INDEX 1.31		
5. FREQUENCY AND TYPE OF UTILIZATION Four Unit Training Assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Unit, 1 Army Reserve Unit, 1 U. S. Coast Guard Unit.			
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997			
CATEGORY		COST (\$000)	DESIGN STATUS
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>START</u> <u>CMPL</u>
116-672	AIRCRAFT WASHING AND DEICING FACILITY	LS	659 MAY 93 MAR 96
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved			<u>6 JUN 95</u> (Date)
9. LAND ACQUISITION REQUIRED		None (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS			COST
CATEGORY		<u>SCOPE</u>	<u>(\$000)</u>
<u>CODE</u>	<u>PROJECT TITLE</u>		
171-445	COMPOSITE SUPPORT FACILITY	96,300 SF	7,100
211-157	ENGINE AND SURVIVAL EQUIPMENT SHOPS	24,400 SF	4,300
214-425	VEHICLE AND AGE MAINTENANCE COMPLEX	22,300 SF	3,700

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION FRANCIS S GABRESKI AIRPORT, NEW YORK							
11. PERSONNEL STRENGTH AS OF 1 AUG 95							
	PERMANENT			GUARD/RESERVE			
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	219	8	37	174	854	111	743
ACTUAL	216	12	37	167	821	100	721
12. RESERVE UNIT DATA							
	<u>STRENGTH</u>						
<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>					
102 RQS	109	98					
106 RQG	47	46					
106 CES	158	136					
106 MXS	101	104					
106 MSF	55	58					
106 LS	111	103					
106 MED SQ	56	38					
106 SVF	30	27					
8106 STUFLT	20	61					
106 AGS	62	58					
106 LG SPT	15	10					
106 OPSGRP	10	10					
106 OPSPFT	24	22					
106 SG	5	4					
106 LG	9	9					
106 COMM	42	37					
TOTALS	854	821					
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>					
HC-130 Aircraft	4	4					
MH-60G	5	6					
Support Equipment	200	180					
Vehicle Equivalents	303	320					

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION FRANCIS S. GABRESKI AIRPORT NEW YORK	4. PROJECT TITLE AIRCRAFT WASHING AND DEICING FACILITY			
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 116-672	7. PROJECT NUMBER WKVB939505	8. PROJECT COST(\$000) \$659	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
AIRCRAFT WASHING AND DEICING FACILITY	LS			200
SUPPORTING FACILITIES				394
UTILITIES/WATER STORAGE	LS			(245)
PAVEMENTS	LS			(10)
SITE IMPROVEMENTS	LS			(30)
ENVIRONMENTAL CONTROL SYSTEM	LS			(109)
SUBTOTAL				594
CONTINGENCY (5%)				30
TOTAL CONTRACT COST				624
SUPERVISION, INSPECTION AND OVERHEAD (5%)				31
TOTAL REQUEST				655
TOTAL REQUEST (ROUNDED)				659
10. Description of Proposed Construction: Concrete pad with drainage features for fluid containment. Provide utilities, pavements, site improvements, wash water disposal system, and glycol recovery/recycling system.				
11. REQUIREMENT: As required. <u>PROJECT:</u> Aircraft Washing and Deicing Facility (Current Mission). <u>REQUIREMENT:</u> This is a level II environmental compliance project as mandated by the Clean Water Act and required by 40 CFR 125, Criteria and Standards for National Pollution Discharge Elimination System. The base requires an environmentally safe facility to deice aircraft prior to each flight and rinse aircraft after each flight. Proposed state regulations require glycol discharges be contained and not allowed to enter streams or waterways. This project will provide a means of recovering and recycling the deicing fluids. <u>CURRENT SITUATION:</u> The base is located near water and the low-level C-130 and helicopter air rescue training missions occur daily over the Atlantic Ocean. The aircraft come back to the base covered with salt-water mist. and are deiced and rinsed in the open on the ramp. Waste rinse water and deicing fluids run off the apron onto the ground contaminating the soil with glycols, salt and other aircraft fluids. In addition, the apron area is not properly sized. It requires the aircraft to be towed into place adding to the loss of operational and training efficiencies. Improper corrosion control also increases the corrosive action of the salt water mist on aircraft components. This has been noted by the Air Force Corrosion Control team's inspection report. <u>IMPACT IF NOT PROVIDED:</u> Unable to properly deice or rinse aircraft. The continued contamination of groundwater and pollution of nearby streams				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
FRANCIS S. GABRESKI AIRPORT NEW YORK		
4. PROJECT TITLE	5. PROJECT NUMBER	
AIRCRAFT WASHING AND DEICING FACILITY	WKVB939505	
<p>puts the base in violation of federal and state environmental statutes. Notices of violation from environmental regulators could result in fines and penalties. Increased corrosion on aircraft adversely affects components and ultimately impacts the mission.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
FRANCIS S. GABRESKI AIRPORT NEW YORK		
4. PROJECT TITLE AIRCRAFT WASHING AND DEICING FACILITY	5. PROJECT NUMBER WKVB939505	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 MAY 12	
(b) Percent Complete as of Jan 96	70%	
(c) Date 35% Designed	95 MAY 15	
(d) Date Design Complete	96 MAR 31	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	20	
(b) All Other Design Costs	10	
(c) Total	30	
(d) Contract	30	
(e) In-house		
(4) Construction Start 97 JUN		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Capt Mark Susa (301) 836-8187		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION STEWART INTERNATIONAL AIRPORT, NEW YORK	4. AREA CONSTR COST INDEX 1.23	
5. FREQUENCY AND TYPE OF UTILIZATION Four Unit Training Assemblies per month, 15 days annual training per year, daily use for technician force, and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS Army National Guard Units, two Army Reserve units, one Naval Reserve unit, one Marine Corps Reserve Unit (colocated) and the U. S. Military Academy.		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997		
CATEGORY <u>CODE</u> <u>PROJECT TITLE</u>		<u>COST</u> <u>DESIGN STATUS</u> (\$000) START CMPL
171-212 C-5 FLIGHT SIMULATOR FACILITY		1,100 SM 3,000 FEB 94 OCT 95
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>7 FEB 95</u> (Date)		
9. LAND ACQUISITION REQUIRED		None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY <u>CODE</u> <u>PROJECT TITLE</u>		<u>COST</u> (\$000)
900-000 COVER LANDFILL		LS 2,200

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION STEWART INTERNATIONAL AIRPORT, NEW YORK							
11. PERSONNEL STRENGTH AS OF 31 JUL 95							
	PERMANENT			GUARD/RESERVE			
AUTHORIZED	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	632	37	571	24	1,717	134	1,583
ACTUAL	617	29	564	24	1,523	127	1,396
12. RESERVE UNIT DATA			STRENGTH				
	<u>UNIT DESIGNATION</u>		<u>AUTHORIZED</u>	<u>ACTUAL</u>			
	105 AG		54	56			
	105 LSF		88	60			
	105 FMS		467	365			
	105 AGS		231	199			
	105 APS		124	99			
	105 CES		158	155			
	105 SVF		30	32			
	105 COMFLT		40	32			
	105 MSF		34	38			
	105 LS		125	113			
	105 SPS		81	69			
	137 AS		178	157			
	105 MED SQ		67	62			
	105 LG		18	12			
	105 SPT GP		5	4			
	105 OPS GP		5	4			
	105 OSF		12	11			
	8105 STU FT		0	55			
	TOTALS		1,717	1,523			
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	C-5A Aircraft	13	13				
	KC-130 T (USMCR)	14	13				
	Support Equipment	165	142				
	Vehicle Equivalents	538	739				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION STEWART INTERNATIONAL AIRPORT NEW YORK		4. PROJECT TITLE C-5 FLIGHT SIMULATOR FACILITY		
5. PROGRAM ELEMENT 54119F	6. CATEGORY CODE 171-212	7. PROJECT NUMBER WHAY939802	8. PROJECT COST(\$000) \$3,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-5 FLIGHT SIMULATOR FACILITY	SM	1,100	2,130	2,343
SUPPORTING FACILITIES				380
UTILITIES	LS			(190)
PAVEMENTS	LS			(65)
SITE IMPROVEMENTS	LS			(35)
FIRE PROTECTION	LS			(90)
SUBTOTAL				2,723
CONTINGENCY (5%)				136
TOTAL CONTRACT COST				2,859
SUPERVISION, INSPECTION AND OVERHEAD (5%)				143
TOTAL REQUEST				3,002
TOTAL REQUEST (ROUNDED)				3,000

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with steel framed masonry walls and roof structure. Includes utilities, pavements, site improvements, fire protection, and support.

Air Conditioning: 30 Tons.

11. REQUIREMENT: 1,100 SM ADEQUATE: 0 SUBSTANDARD: 0
PROJECT: C-5 Flight Simulator Facility (New Mission).

REQUIREMENT: The Defense Planning Guidance directs that training be moved from actually flying the aircraft into simulators. This reduces aircraft wear and tear, provides long term savings for flying hours, aircraft maintenance, travel and mandays and increases training capabilities. Air Mobility Command has directed that the Local Proficiency Sorties be accomplished in simulators. Flying hours have been reduced. The base requires a facility to house C-5 simulator equipment.

CURRENT SITUATION: The base does not have a facility that can accommodate the simulator equipment and associated classrooms. ANG personnel must travel to other bases that have a simulator. However, with the directed increase in simulator training, there is not enough simulator time to accommodate the training requirements. HQ AMC has stated the need for two simulators in the Air Reserve Components. Only one now exists. The simulator equipment is being purchased and the delivery date will coincide with the completion of facility construction.

IMPACT IF NOT PROVIDED: Unable to meet the training requirements and comply with the Defense Planning Guidance. Aircraft wear and tear cannot be reduced. Higher operating costs. Crews may not be combat ready.

ADDITIONAL: There are no facilities on base that can house this equipment. All known options were considered during the development of

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <u>STEWART INTERNATIONAL AIRPORT NEW YORK</u>		
4. PROJECT TITLE <u>C-5 FLIGHT SIMULATOR FACILITY</u>	5. PROJECT NUMBER <u>WHAY939802</u>	
<p>this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
STEWART INTERNATIONAL AIRPORT NEW YORK		
4. PROJECT TITLE <u>C-5 FLIGHT SIMULATOR FACILITY</u>	5. PROJECT NUMBER <u>WHAY939802</u>	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 FEB 01	
(b) Percent Complete as of Jan 96	100%	
(c) Date 35% Designed	95 MAY 01	
(d) Date Design Complete	95 OCT 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	150	
(b) All Other Design Costs	60	
(c) Total	210	
(d) Contract	210	
(e) In-house		
(4) Construction Start	97 JUN	
b. Equipment associated with this project will be provided from other appropriations: Simulator to be provided using aircraft procurement funds. Approximate cost: \$30 Million. Approximate delivery date FY98/1.		
Capt Mark Susa (301) 836-8187		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE	
3. INSTALLATION AND LOCATION WILL ROGERS WORLD AIRPORT, OKLAHOMA	4. AREA CONSTR COST INDEX 0.92		
5. FREQUENCY AND TYPE OF UTILIZATION Four Unit Training Assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 4 Army National Guard Facilities, 4 Army Reserve Facilities, 1 Air Force Reserve Facility, 1 Naval Reserve Facility and 1 Marine Reserve Facility.			
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997			
CATEGORY		COST (\$000)	DESIGN STATUS
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>START</u> <u>CMPL</u>
730-835	ADD TO AND ALTER SECURITY POLICE FACILITY	623 SM	570 APR 92 DEC 94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved			<u>6 OCT 93</u> (Date)
9. LAND ACQUISITION REQUIRED		None (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS			COST
CATEGORY		<u>SCOPE</u>	<u>(\$000)</u>
<u>CODE</u>	<u>PROJECT TITLE</u>		
171-449	AEROMEDICAL EVACUATION TRAINING FACILITY	20,900 SF	3,000
442-758	BASE SUPPLY FACILITY	29,000 SF	4,000

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION WILL ROGERS WORLD AIRPORT, OKLAHOMA							
11. PERSONNEL STRENGTH AS OF 11 AUG 94							
	PERMANENT			GUARD/RESERVE			
	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	305	30	240	35	1,281	189	1,092
ACTUAL	282	30	218	34	1,167	184	983
12. RESERVE UNIT DATA			STRENGTH				
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	137 ALW	51	51				
	137 ALS	95	101				
	137 MNT SQ	169	156				
	137 MSF	34	34				
	137 MED SQ	52	51				
	137 APF	65	53				
	137 CES	134	109				
	137 SVF	34	30				
	137 SPS	57	55				
	137 LGS	107	94				
	137 AEROMD	146	130				
	205 EIS	220	190				
	137 COM FT	40	36				
	137 OPS GP	6	6				
	137 OSF	18	18				
	137 LOG GP	7	6				
	137 SPT GP	5	6				
	HQ OKANG	27	29				
	137 ALCEFT	14	12				
	TOTALS	1,281	1,167				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	C-130H	8	10				
	Support Equipment	126	100				
	Vehicle Equivalents	450	449				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION WILL ROGERS WORLD AIRPORT OKLAHOMA		4. PROJECT TITLE ADD TO AND ALTER SECURITY POLICE FACILITY		
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 730-835	7. PROJECT NUMBER YZEU899625	8. PROJECT COST(\$000) \$570	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO AND ALTER SECURITY POLICE				
FACILITY	SM	623		426
ADD TO SECURITY POLICE	SM	167	1,080	(180)
ALTER SECURITY POLICE	SM	456	540	(246)
SUPPORTING FACILITIES				90
UTILITIES	LS			(20)
PAVEMENTS	LS			(20)
SITE IMPROVEMENTS	LS			(10)
PREWIRED WORKSTATIONS	LS			(40)
SUBTOTAL				516
CONTINGENCY (5%)				26
TOTAL CONTRACT COST				542
SUPERVISION, INSPECTION AND OVERHEAD (5%)				27
TOTAL REQUEST				569
TOTAL REQUEST (ROUNDED)				570

10. Description of Proposed Construction: Add to and alter Building 1035. Addition: Reinforced concrete foundation and floor slab, masonry walls, steel frame and roof structure. Exterior to match existing. Alteration: Rearrange partitions, relocate and extend utilities and alter walls. Provide all utilities and support.

Air Conditioning: 5 Tons.

11. REQUIREMENT: 623 SM ADEQUATE: 0 SUBSTANDARD: 670 SM
PROJECT: Add to and Alter Security Police Facility (Current Mission).
REQUIREMENT: This is a Level I Commanders Facility Assessment (CFA) requirement. The base requires an adequately sized and properly configured law enforcement and security flight facility for effective and efficient management and support of law enforcement, base defense and training. Functional areas include: command, supervision, training and administrative areas, arms vault and storage. This facility also supports mobility and deployment requirements for wartime/contingency operations.
CURRENT SITUATION: The security police function is presently located in a substandard, overcrowded, temporary, sheet metal building which is expensive to operate and maintain. The building is a safety and health hazard. The building is energy inefficient. There is no room for cleaning, repairing or properly securing of weapons. Training must be accomplished in extremely crowded conditions. Mobility storage is not secure or readily accessible. The facility has approximately one third of the required space and is not a quality work place. Upon completion of this project Building 1029 at 2,304 SF will be demolished.

IMPACT IF NOT PROVIDED: Health and safety hazards continue. Higher operating costs. Poor working conditions. Security is compromised. Training is degraded. Mission support is affected.

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION WILL ROGERS WORLD AIRPORT OKLAHOMA		
4. PROJECT TITLE ADD TO AND ALTER SECURITY POLICE FACILITY	5. PROJECT NUMBER YZEU899625	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status: (a) Date Design Started 92 APR 14 (b) Percent Complete as of Jan 96 100% (c) Date 35% Designed 93 MAY 04 (d) Date Design Complete 94 DEC 15		
(2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 26 (b) All Other Design Costs 16 (c) Total 42 (d) Contract 42 (e) In-house		
(4) Construction Start 97 MAY		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Lt Col Bob Lyon (301) 836-8070		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE	
3. INSTALLATION AND LOCATION FORT WORTH JOINT RESERVE BASE, TEXAS		4. AREA CONSTR COST INDEX 0.91	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS Two Navy/Marine Corps Training Centers, Four Army Reserve Centers, Five Army National Guard Armories.			
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997			
CATEGORY		COST (\$000)	DESIGN STATUS
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>START</u> <u>CMPL</u>
211-179	FUEL CELL AND CORROSION CONTROL FACILITY	2,050 SM	3,450 SEP 93 FEB 96
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved			<u>6 JUN 95</u> (Date)
9. LAND ACQUISITION REQUIRED		None (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS			COST (\$000)
CATEGORY		<u>CODE</u>	<u>PROJECT TITLE</u>

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION FORT WORTH JOINT RESERVE BASE, TEXAS							
11. PERSONNEL STRENGTH AS OF 25 AUG 95							
	PERMANENT				GUARD/RESERVE		
AUTHORIZED	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	267	6	52	209	1,018	132	886
ACTUAL	225	6	52	167	978	140	838
12. RESERVE UNIT DATA							
			STRENGTH				
	UNIT DESIGNATION		AUTHORIZED	ACTUAL			
	136 ALT WG		52	54			
	181 ALT SQ		95	103			
	136 MXS		138	119			
	136 MSF		34	34			
	136 MDS		53	53			
	136 CES SQ		110	94			
	136 SVS FT		30	27			
	181 WEA FT		19	22			
	531 AFBAND		36	35			
	136 SPS		57	50			
	136 MAP SQ		101	96			
	136 LGS		110	102			
	136 COMMFT		40	41			
	136 OG		6	9			
	136 OLMC		6	6			
	136 LG		9	9			
	136 OSF		19	18			
	136 ALCF		14	14			
	136 SPT GP		5	5			
	136 AGS		62	57			
	136 LSF		13	12			
	8136 STUFLT		9	18			
	TOTALS		1,018	978			
13. MAJOR EQUIPMENT AND AIRCRAFT							
	TYPE		AUTHORIZED	ASSIGNED			
	C-130H Aircraft		8	9			
	Support Equipment		120	117			
	Vehicle Equivalents		199	243			

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION FORT WORTH JOINT RESERVE BASE TEXAS	4. PROJECT TITLE FUEL CELL AND CORROSION CONTROL FACILITY			
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 211-179	7. PROJECT NUMBER DDPF949519	8. PROJECT COST(\$000) \$3,450	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FUEL CELL AND CORROSION CONTROL FACILITY	SM	2,050		2,343
FUEL SYSTEM MAINTENANCE DOCK AREA	SM	1,750	1,150	(2,013)
FUEL CELL MAINTENANCE SHOP AREA	SM	160	1,100	(176)
CORROSION CONTROL SHOP AREA	SM	140	1,100	(154)
SUPPORTING FACILITIES				740
UTILITIES	LS			(170)
PAVEMENTS	LS			(220)
SITE IMPROVEMENTS	LS			(50)
FIRE PROTECTION SYSTEM	LS			(300)
SUBTOTAL				3,083
CONTINGENCY (5%)				154
TOTAL CONTRACT COST				3,237
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				210
TOTAL REQUEST				3,447
TOTAL REQUEST (ROUNDED)				3,450

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with masonry/insulated metal panel walls. Structure shall be steel frame with standing seam metal roof. Provide all utilities, access pavements, site improvements, an oil/water separator, and fire suppression.

Air Conditioning: 10 Tons.

11. REQUIREMENT: 2,200 SM ADEQUATE: 0 SUBSTANDARD: 0
PROJECT: Fuel Cell and Corrosion Control Facility (Current Mission).
REQUIREMENT: This is a level II environmental compliance requirement. This facility is needed to provide control of fugitive emissions, and paint and abrasive particulates, in compliance with the Clean Air Act Amendments of 1990, and required by 40 CFR 63, Section 112, which enforces the practice of controlling hazardous air pollutant emissions associated with the manufacturing and reworking of military and commercial aircraft, subassemblies and aircraft parts. Functional areas include fuel cell/corrosion control hangar bay, bladder repair, and associated shop areas which must meet air quality emission standards. This project will replace and consolidate uncontrolled blasting activities while providing a single, central facility which will establish and maintain proper environmental controls.

CURRENT SITUATION: The base does not have a facility for the C-130 fuel cell and corrosion control function. These tasks are performed on the ramp in violation of environmental regulations as well as Technical Orders. Interim solutions are costly and, at times, unsafe. Accidental fuel spills on the ramp occur and enter the soil through the pavement joints. Continued use of interim measures contributes to air pollution and increases the risk of soil and water contamination.

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
FORT WORTH JOINT RESERVE BASE TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
FUEL CELL AND CORROSION CONTROL FACILITY		DDPF949519

IMPACT IF NOT PROVIDED: Federal and state environmental statutes for air and water would continue to be violated and could result in notices of violation and fines. Poor working conditions would continue to impact the health and welfare of personnel. Inadequate corrosion control and fuel cell functions adversely affect training and aircraft maintenance capabilities, and contribute to higher operating costs.

ADDITIONAL: An exception to the economic analysis requirement has been prepared. The paper presents the rational for only one alternative which is to construct the fuel cell and corrosion control dock.

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION FORT WORTH JOINT RESERVE BASE TEXAS		
4. PROJECT TITLE FUEL CELL AND CORROSION CONTROL FACILITY	5. PROJECT NUMBER DDPF949519	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 30	
(b) Percent Complete as of Jan 96	95%	
(c) Date 35% Designed	94 JAN 15	
(d) Date Design Complete	96 FEB 15	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	140	
(b) All Other Design Costs	75	
(c) Total	215	
(d) Contract	215	
(e) In-house		
(4) Construction Start 97 MAY		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. Steve Rider (301) 836-8083		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE
3. INSTALLATION AND LOCATION SALT LAKE CITY INTERNATIONAL AIRPORT ANG, UTAH	4. AREA CONSTR COST INDEX 0.91	
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual field training per year, daily use by technician/AGR force and for training.		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Naval/Marines Corps Reserve, 1 Army Reserve and 2 Army National Guard Units		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997		
CATEGORY		COST DESIGN STATUS
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u> <u>(\$000)</u> <u>START</u> <u>CMPL</u>
171-447	ELECTRONICS SECURITY SQUADRON COMPLEX	1,191 SM 2,250 SEP 93 FEB 96
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved <u>20 OCT 94</u> (Date)		
9. LAND ACQUISITION REQUIRED		None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS		
CATEGORY		COST
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u> <u>(\$000)</u>
171-445	COMPOSITE OPS AND TRAINING AND SQUADRON OPERATIONS COMPLEX	72,200 SF 8,700
214-425	VEHICLE WASHING AND CORROSION CONTROL FACILITY	2,550 SF 460
217-712	COMPOSITE AIRCRAFT MAINTENANCE COMPLEX	110,800 SF 11,000
730-142	FIRE STATION	10,000 SF 2,100
880-232	FIRE DETECTION AND SUPPRESSION SYSTEMS	LS 2,000

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION SALT LAKE CITY INTERNATIONAL AIRPORT ANG, UTAH							
11. PERSONNEL STRENGTH AS OF 31 JUL 95							
	PERMANENT			GUARD/RESERVE			
AUTHORIZED	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	447	67	344	36	1,646	183	1,463
ACTUAL	444	67	342	35	1,458	173	1,285
12. RESERVE UNIT DATA							
				STRENGTH			
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	HQ UT ANG	28	28				
	151 ARG	59	52				
	151 OG	6	6				
	151 OSF	27	20				
	151 ARS	74	79				
	151 LG	12	10				
	151 LSF	25	27				
	151 LS	108	97				
	151 MXS	142	157				
	151 AGS	86	93				
	151 SUG	5	4				
	151 CES	147	128				
	151 SVC	30	26				
	151 SPS	75	77				
	151 MSF	34	34				
	151 CFT	43	35				
	151 MDS	55	58				
	130 EIS	228	170				
	299 RCS	108	92				
	106 ACS	120	71				
	109 ACS	121	89				
	169 IS	113	105				
	TOTALS	1,646	1,458				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	KC-135 Aircraft	9	10				
	Support Equipment	175	164				
	Vehicle Equivalents	716	887				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SALT LAKE CITY INTERNAT'L APT ANG UTAH		4. PROJECT TITLE ELECTRONICS SECURITY SQUADRON COMPLEX		
5. PROGRAM ELEMENT 53115F	6. CATEGORY CODE 171-447	7. PROJECT NUMBER USEB939661	8. PROJECT COST(\$000) \$2,250	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ELECTRONICS SECURITY SQUADRON COMPLEX	SM	1,191		1,598
MAINTENANCE BAYS	SM	302	1,600	(483)
WAREHOUSE AND SUPPLY AREA	SM	391	950	(371)
MAINTENANCE SHOP AREA	SM	93	1,600	(149)
ADMINISTRATIVE AND TRAINING AREA	SM	326	1,450	(473)
ADDITION TO BUILDING 302	SM	79	1,540	(122)
SUPPORTING FACILITIES				450
PAVEMENTS/UTILITIES	LS			(250)
SITE IMPROVEMENTS	LS			(100)
PREWIRED WORK STATIONS	LS			(100)
SUBTOTAL				2,048
CONTINGENCY (5%)				102
TOTAL CONTRACT COST				2,150
SUPERVISION, INSPECTION AND OVERHEAD (5%)				108
TOTAL REQUEST				2,258
TOTAL REQUEST (ROUNDED)				2,250
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with steel framed masonry walls and roof structure. Provide all utilities, site improvements, and fire protection. Addition to match existing. Includes vehicle parking, roads, drainage, and landscape work and security measure. Dispose of building 1626 at 9,906 SF.				
<u>Air Conditioning:</u> 15 Tons.				
11. REQUIREMENT: 2,307 SM ADEQUATE: 1,116 SM SUBSTANDARD: 298 SM				
<u>PROJECT:</u> Electronics Security Squadron Complex (New Mission).				
<u>REQUIREMENT:</u> This project supports the Senior Scout mission which has been transferred from the active Air Force to the ANG. A facility is required to provide: a training area, administrative space, supply storage, shipping, receiving, and shop space for maintenance of equipment. The building is designed for two Senior Scout maintenance/storage bays with drive through capability.				
<u>CURRENT SITUATION:</u> The base does not have the permanent space to support the Senior Scout mission. This mission was assigned to the ANG and requires permanent facilities for training and daily operation. The mission operates in conjunction with the 169th Electronics Security Squadron. Temporary supply function is operating in a 392 SF caged area with no room for expansion. Secure storage requirements have increased dramatically with the Senior Scout mission. The additional equipment does not properly fit in the rooms. Some is stored and cannot be used. Other pieces of equipment are set up in hallways in violation of Technical Orders, security and fire codes. The situation will get worse with the anticipated increase in administrative personnel. The building was constructed for a different technical function and does not serve well the new mission. The storage bay is not large enough to hold the authorized				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
SALT LAKE CITY INTERNAT'L APT ANG UTAH		
4. PROJECT TITLE	5. PROJECT NUMBER	
ELECTRONICS SECURITY SQUADRON COMPLEX	USEB939661	
<p>equipment and trailers. The modules, which are mounted on 40 ft trailers and cost over \$20 million each, are stored in a temporary building to provide limited protection to the electronic equipment.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The supply function cannot support the Senior Scout system, degrading the unit's mission readiness. Uncleared personnel housed in the building continue to require an additional person full-time as an escort, making it extremely difficult to function and keep personnel trained. The \$20 million modules, which are presently stored in temporary facilities, could get damaged. Degraded readiness as the unit is unable to reach full operational capability. Possible compromise in security.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
SALT LAKE CITY INTERNAT'L APT ANG UTAH		
4. PROJECT TITLE ELECTRONICS SECURITY SQUADRON COMPLEX	5. PROJECT NUMBER USEB939661	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 20	
(b) Percent Complete as of Jan 96	95%	
(c) Date 35% Designed	95 APR 21	
(d) Date Design Complete	96 FEB 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	70	
(b) All Other Design Costs	31	
(c) Total	101	
(d) Contract	101	
(e) In-house		
(4) Construction Start 97 JUN		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. John Loehle (301) 836-8076		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE			
3. INSTALLATION AND LOCATION VOLK FIELD AIR NATIONAL GUARD BASE, WISCONSIN	4. AREA CONSTR COST INDEX 1.33				
5. FREQUENCY AND TYPE OF UTILIZATION Year round operational training of Air National Guard Units and other Reserve and Guard components and Active Military Units.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Unit					
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997					
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> (\$000)	<u>DESIGN</u>	<u>STATUS</u>
832-266	UPGRADE SANITARY SEWER SYSTEM	LS	850	APR 94	MAY 96
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved			<u>18 JAN 95</u> (Date)		
9. LAND ACQUISITION REQUIRED		None (Number of Acres)			
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> (\$000)		
111-111	UPGRADE RUNWAY AND TAXIWAY	219,500 SY	9,000		
422-264	MUNITIONS STORAGE IGLOOS	3,600 SF	700		
442-758	BASE SUPPLY AND EQUIPMENT WAREHOUSE	32,000 SF	4,900		
725-517	TROOP TRAINING QUARTERS COMPLEX	65,000 SF	6,400		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION VOLK FIELD AIR NATIONAL GUARD BASE, WISCONSIN							
11. PERSONNEL STRENGTH AS OF 31 JUL 95							
	PERMANENT			GUARD/RESERVE			
AUTHORIZED	TOTAL	OFFICER	ENLISTED	CIVILIAN	TOTAL	OFFICER	ENLISTED
AUTHORIZED	212	19	121	72	231	27	204
ACTUAL	183	16	95	72	194	23	171
12. RESERVE UNIT DATA							
	STRENGTH						
<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>					
VOLK CRTC	110	87					
128 AC SQ	121	107					
TOTALS	231	194					
13. MAJOR EQUIPMENT AND AIRCRAFT							
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>					
Support Equipment	260	243					
Vehicle Equivalents	777	706					

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VOLK FIELD AIR NATIONAL GUARD BASE WISCONSIN	4. PROJECT TITLE UPGRADE SANITARY SEWER SYSTEM			
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 832-266	7. PROJECT NUMBER YAQF949642	8. PROJECT COST(\$000) \$850	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE SANITARY SEWER SYSTEM	LS			720
SUPPORTING FACILITIES				50
PAVEMENTS	LS			(20)
SITE IMPROVEMENTS	LS			(30)
SUBTOTAL				770
CONTINGENCY (5%)				39
TOTAL CONTRACT COST				809
SUPERVISION, INSPECTION AND OVERHEAD (5%)				40
TOTAL REQUEST				849
TOTAL REQUEST (ROUNDED)				850
10. Description of Proposed Construction: Replace damaged, broken, and undersized sewer main lines, lateral lines, and various appurtenances with correctly sized lines of modern materials. Repair damage to roads, sidewalks, and grounds caused by excavation to upgrade lines.				
11. REQUIREMENT: As required.				
<u>PROJECT:</u> Upgrade Sanitary Sewer System (Current Mission).				
<u>REQUIREMENT:</u> This is a level II environmental compliance project as mandated by the Clean Water Act and required by 40 CFR 403, General Pretreatment Regulations for Existing and New Sources of Pollution. A modern sanitary sewer system capable of accommodating the volume of sanitary wastes from expanded base facilities, and free from infiltration due to breaks, loose joints, and adverse site conditions is required.				
<u>CURRENT SITUATION:</u> The clay tile sewage collection system was originally installed in the 1930s. Over the years the base has grown and the demands on the piping in many areas has exceeded its operational capacity. Storm water and ground water infiltration due to loose joints, cracked and broken pipes, low manholes, and settlement is placing an excess load on the treatment system and violates local utility regulations. Extensive deterioration of manholes and piping has caused many distribution lines to fill with sand and dirt and obstruct the proper flow in the sewer lines. The system has exceeded its design life and is failing at a rapidly increasing rate.				
<u>IMPACT IF NOT PROVIDED:</u> Unable to comply with federal, state, and local environmental laws, thus increasing the potential for notices of violation and fines. A severe impact from both a cost and liability standpoint could materialize if the system fails. Sewage backups into facilities would cause work delays, facility damage, and health hazards.				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VOLK FIELD AIR NATIONAL GUARD BASE WISCONSIN		
4. PROJECT TITLE UPGRADE SANITARY SEWER SYSTEM	5. PROJECT NUMBER YAQF949642	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	94 APR 12	
(b) Percent Complete as of Jan 96	65%	
(c) Date 35% Designed	95 OCT 01	
(d) Date Design Complete	96 MAY 31	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	40	
(b) All Other Design Costs	22	
(c) Total	62	
(d) Contract	62	
(e) In-house		
(4) Construction Start 97 JUL		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. John Loehle (301) 836-8076		

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE	
3. INSTALLATION AND LOCATION PUERTO RICO INTERNATIONAL AIRPORT, PUERTO RICO	4. AREA CONSTR COST INDEX 1.25		
5. FREQUENCY AND TYPE OF UTILIZATION Four Unit Training Assemblies per month, 15 days annual field training per year, daily use by technician/AGR force, and for training.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air National Guard Unit, 1 Active Army Unit, 8 Army National Guard Units, 3 Army Reserve Units and 2 Naval Units.			
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1997			
CATEGORY		COST (\$000)	DESIGN STATUS
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>START</u> <u>CMPL</u>
214-467	REFUELING VEHICLE SHOP AND PAINT BAY	252 SM	450 SEP 93 JUN 96
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved			<u>30 SEP 94</u> (Date)
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
CATEGORY		COST (\$000)	
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	
116-922	UPGRADE BAK12/14 AIRCRAFT ARRESTING SYSTEM	LS	1,350
722-351	DINING HALL AND MEDICAL TRAINING FACILITY	36,800 SF	4,650
730-142	FIRE STATION	12,500 SF	2,250

1. COMPONENT ANG	FY 1997 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE					
3. INSTALLATION AND LOCATION PUERTO RICO INTERNATIONAL AIRPORT, PUERTO RICO							
11. PERSONNEL STRENGTH AS OF 31 JUL 95							
	PERMANENT			GUARD/RESERVE			
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	381	35	259	87	1,032	99	933
ACTUAL	290	18	176	96	1,018	100	918
12. RESERVE UNIT DATA							
				<u>STRENGTH</u>			
	<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	156 FG	53	51				
	156 FGDET1	9	7				
	156 OG	3	3				
	156 OSF	23	20				
	198 FS	38	45				
	156 SPTG	5	4				
	156 MSF	34	31				
	156 LG	20	16				
	156 MS	201	197				
	156 LSF	32	24				
	156 AGS	175	175				
	156 LS	112	110				
	156 MED AQ	54	65				
	156 MDSQOL	3	3				
	156 CES	134	128				
	156 SPS	57	61				
	156 CF	49	44				
	156 SVF	30	34				
	TOTALS	1,032	1,018				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	C-26 Aircraft	12	17				
	F-16 Aircraft	1	1				
	Support Equipment	107	87				
	Vehicle Equivalents	321	309				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION PUERTO RICO INTERNATIONAL AIRPORT PUERTO RICO	4. PROJECT TITLE REFUELING VEHICLE SHOP AND PAINT BAY			
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 214-467	7. PROJECT NUMBER TUMR939783	8. PROJECT COST(\$000) \$450	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REFUELING VEHICLE SHOP AND PAINT BAY	SM	252		334
VEHICLE REFUELING SHOP	SM	140	1,350	(189)
PAINT BAY AREA	SM	75	1,350	(101)
ADMINISTRATIVE AND UTILITY AREA	SM	37	1,190	(44)
SUPPORTING FACILITIES				67
UTILITIES	LS			(25)
PAVEMENTS	LS			(30)
SITE IMPROVEMENTS	LS			(12)
SUBTOTAL				401
CONTINGENCY (5%)				<u>20</u>
TOTAL CONTRACT COST				421
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				<u>27</u>
TOTAL REQUEST				448
TOTAL REQUEST (ROUNDED)				450

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry walls, steel frame and roof structure. Ventilation in accordance with environmental and safety regulations and standards. Provide all utilities, pavements, site improvements, and support.

Air Conditioning: 5 Tons.

11. REQUIREMENT: 252 SM ADEQUATE: 0 SUBSTANDARD: 65 SM
PROJECT: Refueling Vehicle Shop and Paint Bay (Current Mission).
REQUIREMENT: This is a level II environmental compliance project mandated by the Clean Air Act (CAA) Amendments of 1990 and required by 40 CFR 61, National Emission Standards for Hazardous Air Pollutants. This facility is needed to provide control of fugitive emissions, and paint and abrasive particulates. The CAA Amendments of 1990 requires enforcing the practice of controlling hazardous air pollutant emissions associated with the manufacturing and reworking of military and commercial aircraft, subassemblies and aircraft parts. Functional areas include refueler maintenance bay, paint bay, and associated shop areas which must meet air quality emission standards. This project replaces and consolidates uncontrolled blasting activities while providing a facility which establishes and maintains proper environmental controls.

CURRENT SITUATION: The refueler maintenance bay does not meet federal and state safety or environmental standards and statutes. There is no containment for fuel spills or correct ventilation for fuel fumes. There is insufficient clearance between the walls and the refueler, limiting maintenance capabilities and equipment utilization. The facility has numerous health and safety violations and cannot be upgraded. The paint spray booth does not comply with pollution standards and needs to be

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
PUERTO RICO INTERNATIONAL AIRPORT PUERTO RICO		
4. PROJECT TITLE REFUELING VEHICLE SHOP AND PAINT BAY	5. PROJECT NUMBER TUMR939783	
<p>replaced with modern equipment. There is no vehicle paint bay in which to install a new environmentally safe booth. Painting outside is not possible since dirt and insects would adhere to the fresh paint, and it would violate Technical Orders and safety and environmental standards.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Safety and environmental standards and statutes would be violated. Limited capabilities for maintaining refueling vehicles and inadequate training would continue to exist. Vehicles will continue to be painted under contract off-base which is the less economical alternative and does not meet mission requirements.</p>		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION PUERTO RICO INTERNATIONAL AIRPORT PUERTO RICO		
4. PROJECT TITLE REFUELING VEHICLE SHOP AND PAINT BAY	5. PROJECT NUMBER TUMR939783	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	93 SEP 11	
(b) Percent Complete as of Jan 96	65%	
(c) Date 35% Designed	95 SEP 15	
(d) Date Design Complete	96 JUN 01	
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	25	
(b) All Other Design Costs	10	
(c) Total	35	
(d) Contract	35	
(e) In-house		
(4) Construction Start 97 JUN		
b. Equipment associated with this project will be provided from other appropriations: N/A		
Mr. John Loehle (301) 836-8076		

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES		
4. PROJECT TITLE PROJECTS \$400,000 AND UNDER - FY 97	5. PROJECT NUMBER VARIOUS	

<u>STATE AND LOCATION</u>	<u>PROJECT NUMBER</u>	<u>PROJECT TITLE</u>	<u>COST</u>
NEW JERSEY			
Atlantic City International Airport AQRC939564		ADD TO AND ALTER MEDICAL TRAINING FACILITY	380
Provides an adequately sized facility to accommodate medical training and specialized medical equipment, including offices, examination and waiting rooms, laboratories, and records storage.			

Mr. Lee Anderson
(301) 836-8080

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS(UNSPECIFIED)		4. PROJECT TITLE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 010-000	7. PROJECT NUMBER AAAA949745	8. PROJECT COST(\$000) \$7,725	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN	LS			7,725
SUBTOTAL				7,725
TOTAL CONTRACT COST				7,725
TOTAL REQUEST				7,725
TOTAL REQUEST (ROUNDED)				7,725
10. Description of Proposed Construction: The funds requested will provide for the final design of facilities and achieve full evaluation for each project in terms of technical adequacy and estimated cost. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Military Construction Programs.				
11. REQUIREMENT: As required. <u>REQUIREMENT:</u> The ANG needs planning and design funds for projects to be included in future MILCON programs. The FY 97 design funds are needed to complete the design for projects to be included in FY 98 budget request and begin the design for projects to be included in FY 99 budget request. <u>CURRENT SITUATION:</u> The SECDEF bottom up review and the downsizing of the Air Force has resulted in the transferring of additional missions such as the B-1, KC-135, C-130, and others to the ANG. The MILCON for these aircraft conversions are included in the FY 98-99 programs. The ANG requires the design money in FY 97 to insure the design milestones for FY 98 and FY 99 as mandated by DODI 1225.7 are met. The ANG design dollars have been totally depleted. This is the result of past congressional MILCON adds to the program without a corresponding increase in design money. In order to preclude a design work stoppage, ANG was forced to reprogram \$5.8 Mil. However, this was only a short term stop gap measure. Additional reprogramming may be necessary to resolve the shortfall resulting from the appropriated programs. This amended FY 97 budget has been increased by \$ 3 Mil to specifically design the projects that the Air Force added to the ANG Milcon program for FY 98 and FY 99 in support of the Boise ID, A-10/C-130 aircraft conversion. <u>IMPACT IF NOT PROVIDED:</u> The ANG will not be able to execute the FY 97 and				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION <u>VARIOUS LOCATIONS(UNSPECIFIED)</u>		
4. PROJECT TITLE PLANNING AND DESIGN	5. PROJECT NUMBER AAAA949745	
<p>FY 98 design programs. Since the majority of the programs are in support of new missions, conversions, and environmental compliance, the projects cannot be included in the MILCON programs and submitted to Congress. Conversions will be delayed; high risk and costly workarounds will occur. Inability to program environmental compliance projects will result in violation of county, state, and federal statutes. The ANG may receive fines and the DoD, AF, and ANG may receive adverse publicity. It will be hard to explain that this was caused by insufficient planning and design.</p>		

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1997

APPROPRIATION:	MILITARY CONSTRUCTION -- AIR NATIONAL GUARD	
PROGRAM 313:	PLANNING AND DESIGN	\$7,725,000

PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for project planning and design of the construction requirements for the Air National Guard

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Planning and Design will provide for establishing project construction design of the facilities and for achieving a full evaluation of each designed project in terms of technical adequacy and estimated costs.

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS(UNSPECIFIED)		4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 999-999	7. PROJECT NUMBER AAAA949744	8. PROJECT COST(\$000) \$4,100	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION	LS			4,100
SUBTOTAL				4,100
TOTAL CONTRACT COST				4,100
TOTAL REQUEST				4,100
TOTAL REQUEST (ROUNDED)				4,100
10. Description of Proposed Construction: Provides a lump sum for construction projects not otherwise authorized by law. Includes construction, alteration, or conversion of permanent or temporary facilities. The Secretary of the Air Force has the authority to approve projects of this nature under the provisions of 10 U. S. Code 2233a or 10 U. S. Code 2805.				
11. REQUIREMENT: As required. <u>REQUIREMENT:</u> This program provides the means of accomplishing projects costing over \$300,0000 but not exceeding \$1,500,000 that are not now identified, but which are anticipated to arise during late FY 1996, or early FY 97 to satisfy critical, unforeseen and urgent mission or environmental requirements. It would be too late to include these projects in the FY 97 MILCON and these projects cannot wait for inclusion in the FY 98 MILCON. <u>CURRENT SITUATION:</u> During this period, as the Air Force is cutting back force structure, the ANG is undergoing numerous aircraft conversions and bedowns. These include: conversions from F-15 and F-16 to B-1 at 2 locations; conversion of the F-4G and RF-4C to C-130/A-10 at two locations; conversions of the F-16 and RF-4C to KC 135 at 6 locations and many more non flying missions. Many facility requirements not now identified may need to be done on an urgent basis to support the arrival of new aircraft and equipment. Past records indicate that additional conversion projects are identified by the Site Activation Task Force. This is an ANG management team that arrives on a base selected for a conversion and conducts a program review to insure the conversion is successful and on time. Facilities and other issues are addressed. Unforseen and urgent environmental requirements to meet state and federal				

1. COMPONENT ANG	FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS(UNSPECIFIED)		
4. PROJECT TITLE	5. PROJECT NUMBER	
UNSPECIFIED MINOR CONSTRUCTION	AAAA949744	

laws are also typical projects that must be accomplished. The funds requested in this budget are not a percent of the budget but are based on past history and account for inflation only. Routine and non urgent projects are not funded by this account.

IMPACT IF NOT PROVIDED: Unable to complete the beddowns. Will require formal reprogramming if savings are available. Urgent environmental requirements cannot be satisfied. More expensive and high risk workarounds will have to be used.

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1997

APPROPRIATION:	MILITARY CONSTRUCTION -- AIR NATIONAL GUARD	
PROGRAM 341:	UNSPECIFIED MINOR CONSTRUCTION	\$4,100,000

PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for new construction and alteration projects having cost estimates over \$300,000 but not exceeding \$1,500,000 which are not otherwise authorized by law.

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Minor Construction will finance projects for which the justification is such that they should not be included in the regular Military Construction Program for the Air National Guard and such that they exceed the minor construction work authorization in the Operations and Maintenance Appropriation.